

Annex G3

Monitoring Results for Water Quality

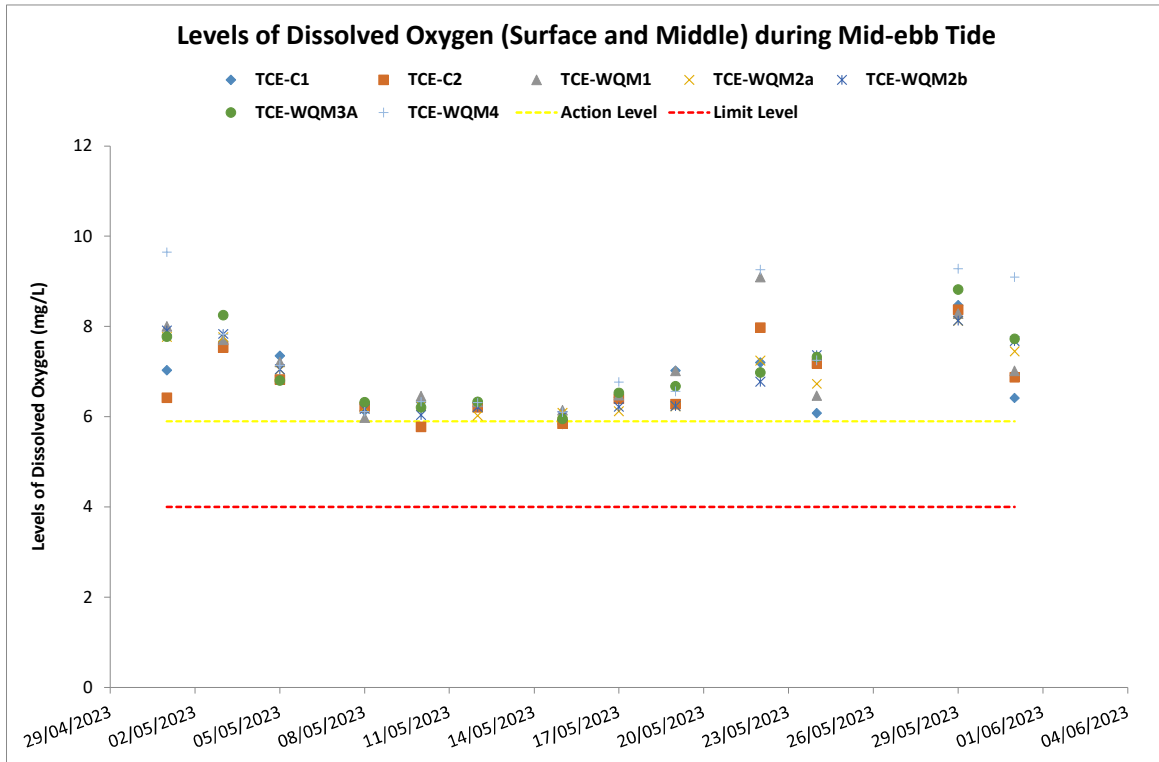


Figure 1: Levels of Dissolved Oxygen (Surface and Middle) (mg/L) recorded at Mid-ebb Tide during the Water Quality Monitoring between 1 to 31 May 2023

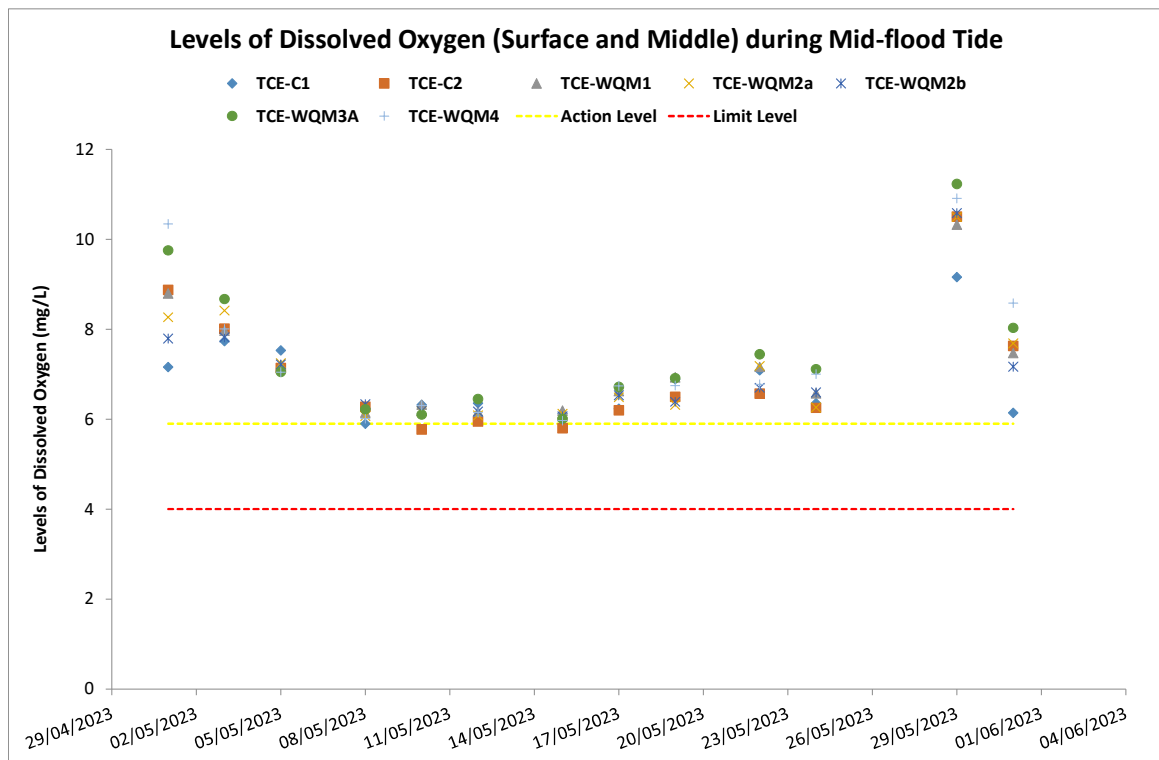


Figure 2: Levels of Dissolved Oxygen (Surface and Middle) (mg/L) recorded at Mid-flood Tide during the Water Quality Monitoring between 1 to 31 May 2023

Source: P:\Projects\0445700 CEDD ET for Tung Chung.JT\02_Deliverable\10 Monthly EM&A Report\
 Date: May 2023

**Environmental
 Resources
 Management**



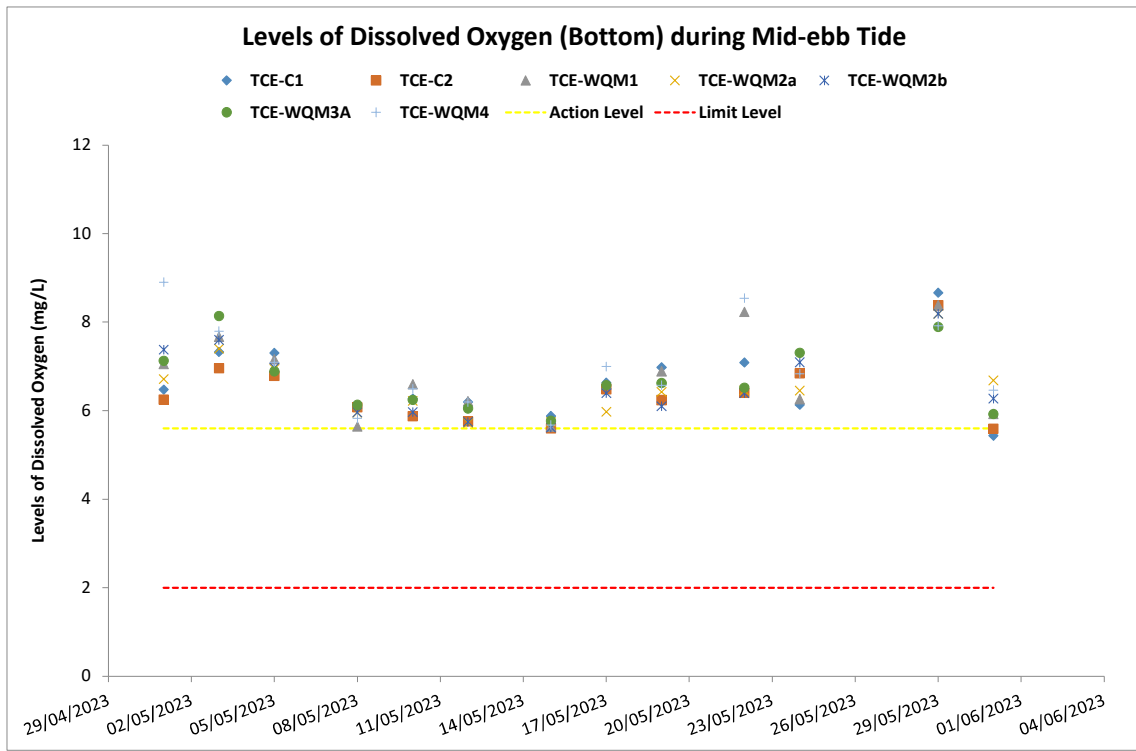


Figure 3: Levels of Dissolved Oxygen (Bottom) (mg/L) recorded at Mid-ebb Tide during the Water Quality Monitoring between 1 to 31 May 2023

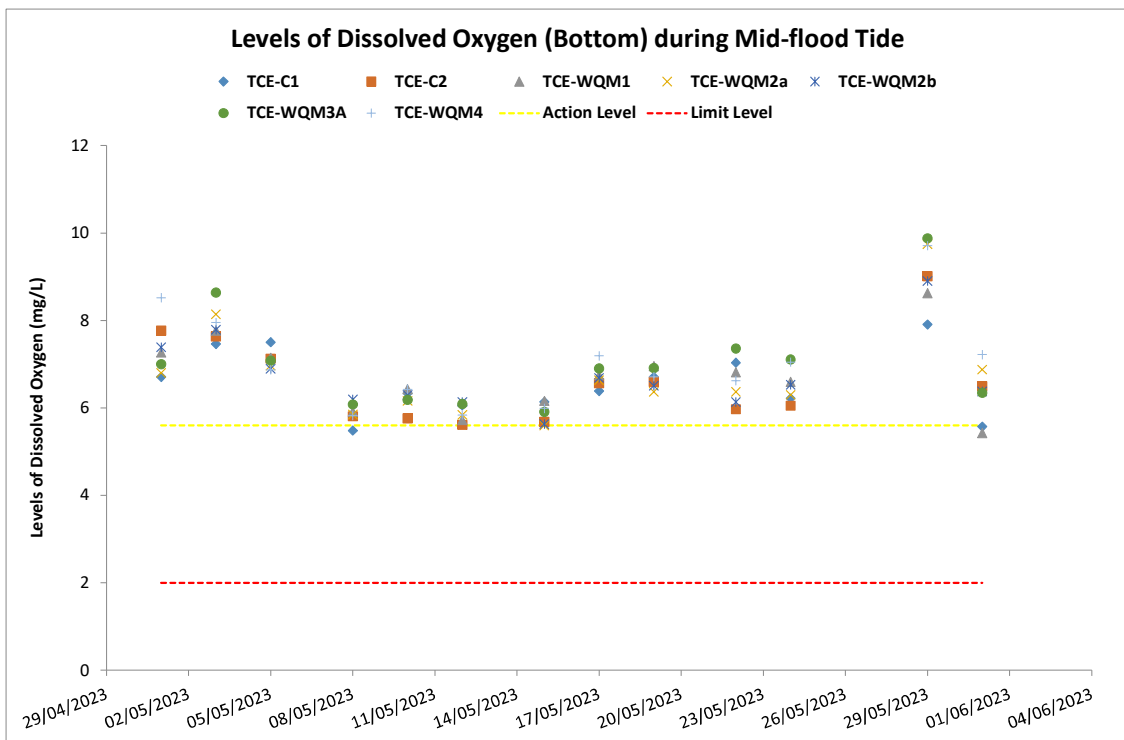


Figure 4: Levels of Dissolved Oxygen (Bottom) (mg/L) recorded at Mid-flood Tide during the Water Quality Monitoring between 1 to 31 May 2023

Source: P:\Projects\0445700 CEDD ET for Tung Chung.JT\02_Deliverable\10 Monthly EM&A Report\
 Date: May 2023

**Environmental
 Resources
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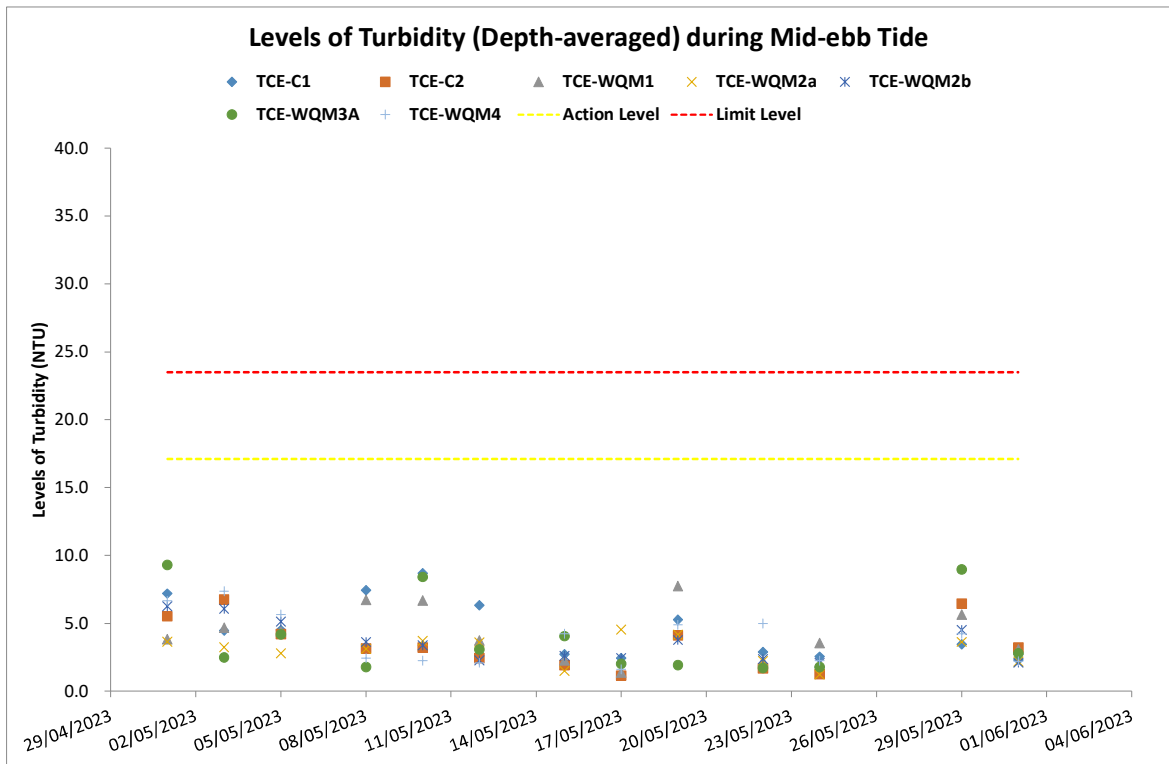


Figure 5: Levels of Turbidity (Depth-averaged) (NTU) recorded at Mid-ebb Tide during the Water Quality Monitoring between 1 to 31 May 2023

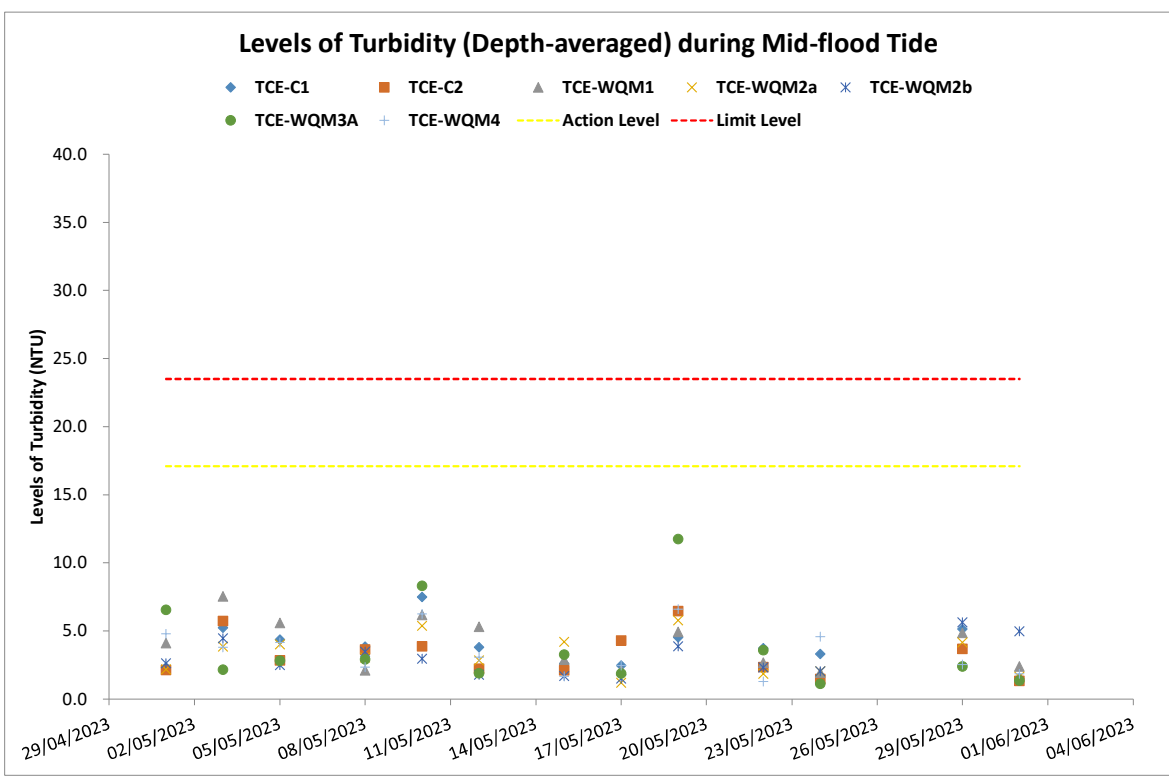


Figure 6: Levels of Turbidity (Depth-averaged) (NTU) recorded at Mid-flood Tide during the Water Quality Monitoring between 1 to 31 May 2023

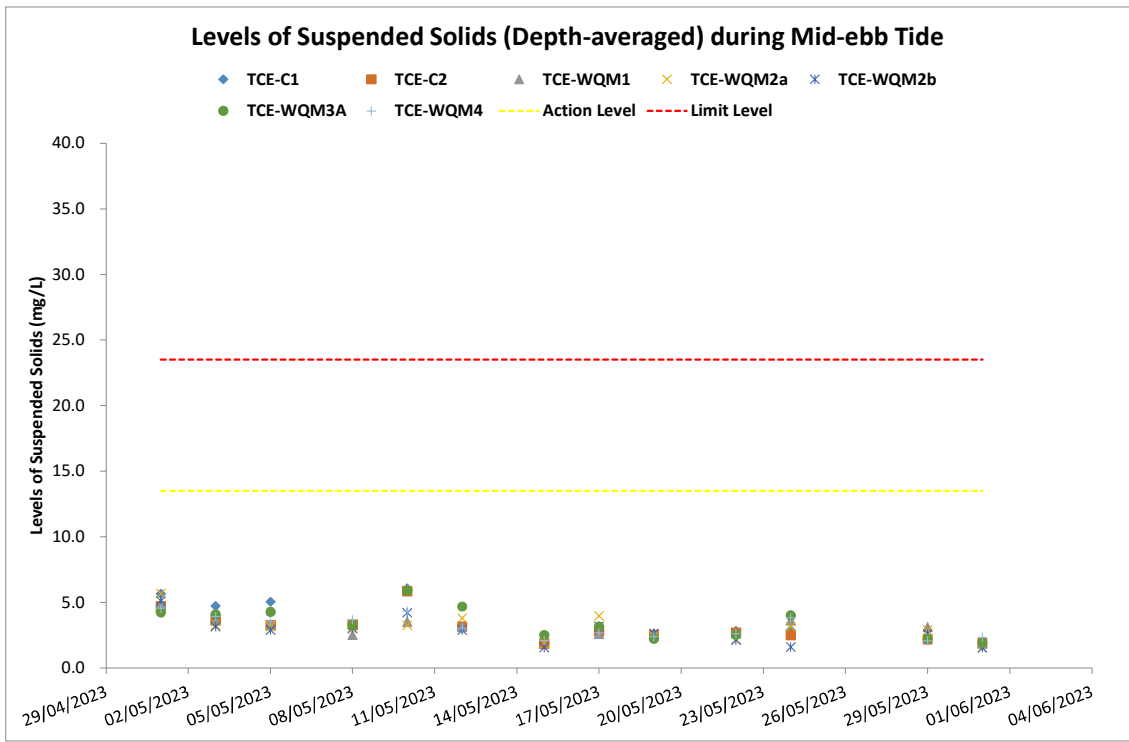


Figure 7: Levels of Suspended Solids (Depth-averaged) (mg/L) recorded at Mid-ebb Tide during the Water Quality Monitoring between 1 to 31 May 2023

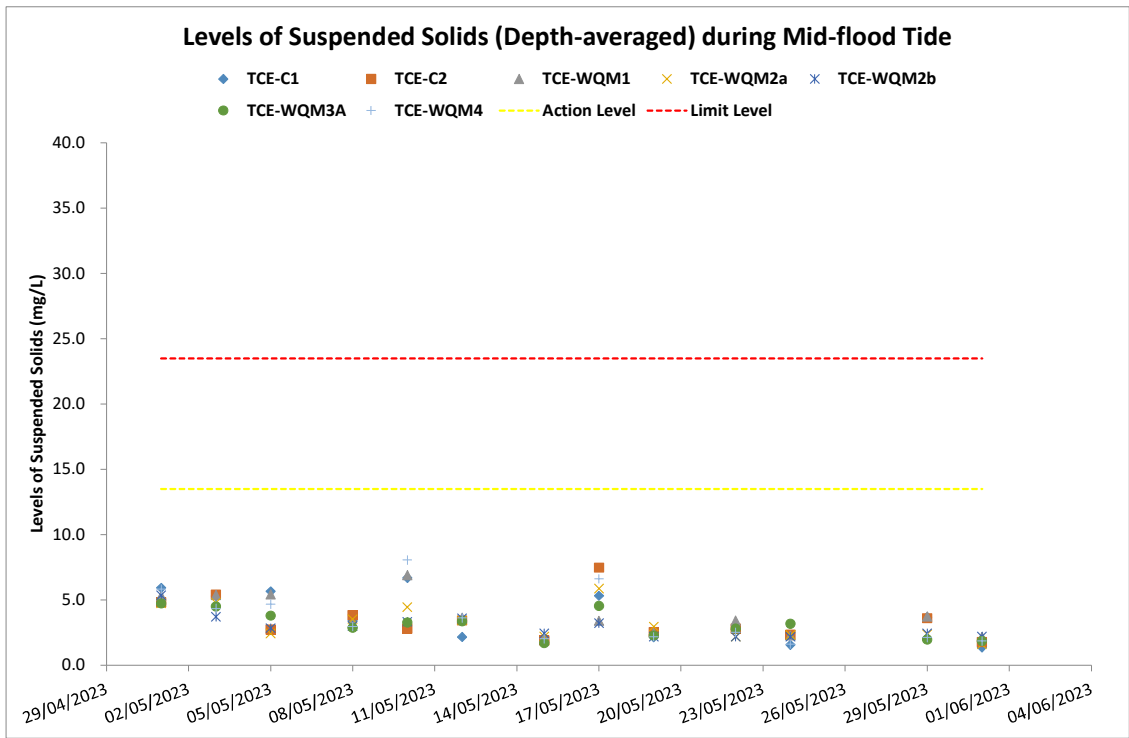


Figure 8: Levels of Suspended Solids (Depth-averaged) (mg/L) recorded at Mid-flood Tide during the Water Quality Monitoring between 1 to 31 May 2023

Source: P:\Projects\0445700 CEDD ET for Tung Chung.JT\02_Deliverable\10 Monthly EM&A Report\
 Date: May 2023

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Date	Tide	Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Water Level	Sampling depth (m)	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	Dissolved Oxygen (DO) (mg/L)	DO Saturation (%)	Turbidity (NTU)	Suspended Solids (SS) (mg/L)	Depth-averaged					
																	DO (mg/L)	Turbidity (NTU)	SS (mg/L)			
2023-05-01	Mid-Ebb	TCE-C1	Cloudy	Moderate	12:16	8.6	Surface	1.0	1	24.1	8.3	33.2	7.6	109.6	2.9	5.1	7.0	7.2	5.7			
									2	24.1	8.3	33.3	7.6	109.3	2.9	4.8						
							Middle	4.3	1	24.0	8.2	33.8	6.5	92.9	8.1	5.7						
							Bottom	7.6	1	24.0	8.2	33.8	6.5	93.0	7.9	5.3						
				2	24.0	8.0	33.7	6.5	93.2	10.7	6.4	6.5										
				2	24.0	8.0	33.7	6.5	93.3	10.6	6.6											
		Surface	1.0	1	24.0	8.2	33.3	6.6	94.4	2.3	4.2											
				2	23.9	8.2	33.4	6.6	94.3	2.3	3.9											
				1	23.8	8.2	33.9	6.3	90.2	5.5	4.5	6.4	5.5	4.7								
		Middle	6.9	1	23.8	8.2	33.9	6.3	90.0	5.8	4.8											
		Bottom	12.7	1	23.8	8.1	33.9	6.3	89.8	8.9	5.2											
				2	23.8	8.1	33.9	6.3	89.9	8.3	5.6											
			1	24.5	8.4	31.1	8.7	124.2	3.3	4.4	8.0	3.8	4.9									
			2	24.5	8.4	31.2	8.6	123.2	3.3	4.1												
	Middle	4.3	1	24.2	8.3	32.1	7.4	105.5	3.8	4.8												
	Bottom	7.6	1	24.1	8.3	32.6	7.0	101.0	4.2	5.4												
			2	24.1	8.3	32.6	7.1	101.3	4.7	5.8	7.1											
			1	24.2	8.3	31.7	8.1	115.2	2.0	4.6												
	Surface	1.0	1	24.2	8.3	31.7	8.1	115.2	2.0	5.0												
			2	24.2	8.3	31.7	8.1	115.2	2.0	5.0												
			1	24.0	8.3	32.4	7.6	108.3	2.5	5.5	7.8	3.6	5.7									
	Middle	3.6	1	24.0	8.3	32.4	7.6	108.3	2.5	5.5												
	Bottom	6.1	1	24.0	8.2	32.8	6.7	96.1	6.8	6.5												
			2	24.0	8.2	32.8	6.7	96.2	6.0	6.8												
		1	24.3	8.3	31.7	8.2	117.1	4.4	6.1	7.9	6.3	5.1										
		2	24.3	8.3	31.7	8.2	117.0	4.4	5.8													
Middle	5.2	1	24.1	8.3	32.2	7.7	109.9	5.4	5.3													
Bottom	9.4	1	24.1	8.3	32.3	7.6	109.1	5.4	4.9													
		2	24.1	8.3	32.4	7.2	103.6	8.9	4.4	7.4												
		2	24.1	8.3	32.4	7.5	107.5	8.9	4.1													
Surface	1.0	1	24.5	8.3	30.9	7.8	111.5	8.4	4.0													
		2	24.5	8.3	31.0	7.8	111.1	8.2	3.7													
		1	24.5	8.2	31.2	7.1	102.2	10.3	4.8	7.1	9.3	4.2										
		2	24.5	8.2	31.3	7.1	102.0	10.3	4.4													
Surface	1.0	1	24.8	8.5	29.8	9.7	138.1	4.5	5.3													
		2	24.8	8.5	29.8	9.6	137.6	4.7	4.8													
		1	24.7	8.5	30.4	9.0	129.4	8.7	3.9	9.6	6.6	4.6										
		2	24.7	8.4	30.4	8.8	125.4	8.7	4.2													
Bottom	2.2	1	24.7	8.5	30.4	9.0	129.4	8.7	3.9													
		2	24.7	8.4	30.4	8.8	125.4	8.7	4.2													
2023-05-01	Mid-Flood	TCE-C1	Cloudy	Moderate	14:42	8.5	Surface	1.0	1	24.2	8.3	33.0	7.7	110.3	2.7	5.4	7.2	2.3	5.9			
									2	24.2	8.3	33.1	7.6	109.9	2.7	5.7						
							Middle	4.3	1	23.9	8.3	34.0	6.7	96.1	2.1	5.7						
									2	23.9	8.3	34.0	6.7	96.1	2.0	6.0						
							Bottom	7.5	1	24.0	8.3	33.9	6.7	96.6	2.2	6.2				6.7		
									2	24.0	8.3	33.8	6.7	96.8	2.3	6.6						
							Surface	1.0	1	24.4	8.5	31.9	9.8	140.5	1.9	4.0						
									2	24.4	8.5	31.9	9.8	140.0	1.9	3.7						
									1	24.0	8.3	32.8	8.0	114.7	2.3	5.1				8.9	2.1	4.8
							Middle	6.9	1	24.0	8.3	32.8	8.0	114.5	2.3	4.7						
							Bottom	12.8	1	24.1	8.3	32.7	7.8	111.3	2.2	5.5						
									2	24.1	8.3	32.7	7.8	111.9	2.2	5.9						
				1	25.0	8.6	29.6	10.3	147.9	2.4	5.9	8.8	4.1	5.3								
				2	24.9	8.6	29.7	10.3	147.3	2.5	6.2											
		Middle	3.9	1	24.2	8.3	32.3	7.3	104.3	4.4	5.8											
		Bottom	6.8	1	24.2	8.3	32.3	7.3	104.2	4.5	5.2											
				2	24.2	8.3	32.5	7.3	104.2	5.1	4.6	7.3										
				2	24.2	8.3	32.5	7.3	104.4	5.8	4.2											
		Surface	1.0	1	24.4	8.3	31.7	8.5	121.5	1.9	4.2											
				2	24.4	8.3	31.7	8.5	121.5	1.9	4.3											
				1	24.1	8.3	32.3	8.1	115.7	2.0	4.9	8.3	2.2	4.7								
		Middle	3.3	1	24.1	8.3	32.3	8.1	115.7	2.0	4.9											
		Bottom	5.5	1	24.0	8.2	32.8	6.8	97.3	2.4	5.4											
				2	24.0	8.2	32.8	6.8	97.6	2.8	5.0											
				1	24.6	8.3	31.4	8.4	120.5	2.4	4.8	7.8	2.6	5.4								
				2	24.6	8.3	31.4	8.4	120.2	2.5	4.4											
		Middle	5.9	1	24.2	8.2	32.0	7.2	103.1	2.8	5.2											
		Bottom	10.8	1	24.2	8.2	32.0	7.2	103.2	2.9	5.6											
				2	24.3	8.3	31.9	7.4	105.8	2.6	6.3	7.4										
				2	24.3	8.3	31.9	7.4	106.0	2.7	5.9											
		Surface	1.0	1	24.8	8.5	30.7	9.8	141.0	2.3	4.9											
				2	24.7	8.5	30.9	9.7	139.0	2.4	5.2											
				1	24.8	8.4	31.1	7.0	115.3	10.8	4.2	9.8	6.6	4.7								
		Bottom	3.7	1	24.8	8.4	31.1	7.0	115.3	10.8	4.2											
				2	25.1	8.4	31.0	7.0	105.9	10.8	4.6											
		Surface	1.0	1	24.8	8.5	29.9	10.4	148.6	1.9	5.6				10.3	4.8	5.8					
		2	24.8	8.5	29.9	10.3	147.3	1.9	5.3													
Bottom	2.1	1	24.9	8.3	29.9	8.5	122.0	7.7	6.4													
		2	25.0	8.3	29.9	8.5	122.5	7.7	6.0													

Date	Tide	Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Water Level	Sampling depth (m)	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	Dissolved Oxygen (DO) (mg/L)	DO Saturation (%)	Turbidity (NTU)	Suspended Solids (SS) (mg/L)	Depth-averaged		
																	DO (mg/L)	Turbidity (NTU)	SS (mg/L)
2023-05-03	Mid-Ebb	TCE-C1	Cloudy	Moderate	12:34	8.2	Surface	1.0	1	24.6	8.2	32.5	8.0	116.0	2.2	4.1	7.7	4.5	4.7
									2	24.6	8.2	32.5	8.0	116.0	2.1	4.3			
							Middle	4.1	1	24.4	8.1	32.9	7.3	105.3	2.0	4.5			
							Bottom	7.2	1	24.4	8.1	32.9	7.3	105.4	2.1	4.9			
						2	24.4	8.1	32.9	7.3	105.8	9.1	5.4	7.3					
				2	24.4	8.1	32.9	7.3	105.9	9.2	5.1								
		Surface	1.0	1	24.4	8.2	31.9	8.1	115.7	8.4	3.1								
				2	24.4	8.2	31.9	8.1	115.4	8.4	3.3								
						1	24.0	8.1	33.3	7.0	100.8	4.7	3.7	7.5	6.8	3.6			
		Middle	7.3	1	24.0	8.1	33.3	7.0	100.7	4.9	3.5								
		Bottom	13.5	1	24.0	8.0	33.3	7.0	100.1	7.0	4.3								
				2	24.0	8.0	33.3	7.0	100.0	7.1	3.8								
					1	24.4	8.1	32.3	7.7	111.0	4.3	3.0	7.7	4.7	3.7				
			2	24.4	8.1	32.3	7.7	111.0	4.3	3.3									
	Middle	4.0	1	24.4	8.1	32.3	7.7	110.6	4.3	3.8									
	Bottom	7.0	1	24.4	8.1	32.3	7.7	110.6	4.4	3.4									
					2	24.4	8.1	32.3	7.7	110.3	5.4	4.4	7.7	3.3	3.3				
			2	24.4	8.1	32.3	7.7	110.3	5.5	4.2									
	Surface	1.0	1	24.4	8.1	32.0	8.0	115.2	1.8	3.8									
			2	24.4	8.1	32.0	8.0	115.2	1.8	3.5									
					1	24.2	8.1	32.1	7.5	107.8	3.1	3.3	7.8	6.1	3.2				
	Middle	3.2	1	24.2	8.1	32.2	7.5	107.6	3.2	3.2									
	Bottom	5.3	1	24.3	8.1	32.2	7.4	106.2	4.6	2.8									
			2	24.3	8.1	32.2	7.4	106.1	5.0	3.0									
				1	24.5	8.1	30.9	8.1	115.6	3.2	3.1	7.8	4.7	3.7					
		2	24.4	8.1	31.0	8.1	115.5	3.4	2.8										
Middle	5.7	1	24.3	8.1	31.7	7.6	108.5	6.6	2.9										
Bottom	10.3	1	24.3	8.1	31.7	7.6	108.5	6.6	3.2										
				2	24.3	8.1	31.7	7.6	108.7	8.4	3.7	7.6	2.5	4.1					
		2	24.3	8.1	31.7	7.6	108.8	8.2	3.3										
Surface	1.0	1	24.5	8.1	31.5	8.3	118.5	2.4	4.0										
		2	24.5	8.1	31.5	8.2	118.2	2.5	3.7										
				1	24.5	8.1	31.6	8.2	116.9	2.5	4.4	8.1	7.4	3.9					
		2	24.5	8.1	31.6	8.1	116.6	2.6	4.2										
Surface	1.0	1	24.8	8.2	32.1	7.8	113.4	4.7	3.8										
		2	24.8	8.2	32.1	7.8	113.4	4.5	3.5										
				1	24.8	8.2	32.1	7.8	113.0	10.0	4.1	7.8	3.3	3.3					
		2	24.8	8.2	32.1	7.8	112.9	10.1	4.3										
Surface	1.0	1	24.5	8.1	32.6	8.0	115.0	4.7	5.7										
		2	24.5	8.1	32.7	8.0	114.9	4.9	6.0										
				1	24.3	8.1	32.9	7.5	108.3	2.6	5.4	7.7	5.2	5.3					
		2	24.3	8.1	32.9	7.5	108.1	2.7	5.2										
Middle	4.3	1	24.3	8.1	32.9	7.5	107.5	8.2	4.9										
Bottom	7.5	1	24.3	8.1	32.8	7.5	107.7	8.4	4.6										
				2	24.4	8.1	32.8	7.5	107.7	8.4	4.6	7.5	3.9	4.8					
		2	24.4	8.1	32.8	7.5	107.7	8.4	4.6										
Surface	1.0	1	24.5	8.1	31.3	8.4	120.2	4.0	4.7										
		2	24.5	8.1	31.3	8.4	120.0	4.3	5.0										
				1	24.4	8.1	31.7	7.7	109.9	6.2	5.5	8.0	5.7	5.4					
Middle	6.7	1	24.4	8.1	31.7	7.6	109.5	6.4	5.2										
Bottom	12.3	1	24.3	8.1	32.1	7.6	109.2	6.9	6.2										
		2	24.3	8.1	32.0	7.7	109.7	6.6	5.9										
				1	24.3	8.1	32.0	7.7	109.7	6.6	5.9	7.6	7.5	5.4					
		2	24.3	8.1	32.0	7.7	109.7	6.6	5.9										
Surface	1.0	1	25.0	8.2	32.2	8.2	118.6	6.0	4.7										
		2	25.0	8.2	32.2	8.2	118.6	6.9	4.3										
				1	24.5	8.1	32.3	7.8	112.2	4.5	5.5	8.0	8.0	4.7					
		2	24.5	8.1	32.3	7.8	112.1	4.7	5.1										
Middle	4.1	1	24.5	8.1	32.3	7.8	112.2	4.5	5.5										
Bottom	7.2	1	24.5	8.1	32.3	7.8	111.9	11.2	6.2										
				2	24.5	8.1	32.3	7.8	112.0	11.9	6.5	7.8	8.4	4.8					
		2	24.5	8.1	32.3	7.8	112.0	11.9	6.5										
Surface	1.0	1	25.0	8.2	31.2	8.4	121.4	1.6	5.6										
		2	25.0	8.2	31.2	8.4	121.4	1.6	5.2										
				1	24.9	8.2	31.7	8.4	122.0	1.3	4.9	8.4	3.9	4.8					
Middle	3.5	1	24.9	8.2	31.7	8.4	122.0	1.3	4.9										
Bottom	6.0	1	24.9	8.2	31.8	8.4	121.6	1.5	4.6										
		2	24.9	8.2	31.9	8.1	117.7	8.8	4.4										
				2	24.9	8.2	31.9	8.2	117.9	8.4	4.0	8.1	8.0	4.4					
		2	24.9	8.2	31.9	8.2	117.9	8.4	4.0										
Surface	1.0	1	24.5	8.1	31.1	7.9	112.5	4.1	4.4										
		2	24.5	8.1	31.1	7.9	112.4	4.2	4.1										
				1	24.5	8.1	31.1	7.8	111.6	4.5	3.8	7.8	4.5	3.7					
Middle	5.3	1	24.5	8.1	31.1	7.8	111.6	4.5	3.6										
Bottom	9.5	1	24.5	8.1	31.2	7.8	111.5	4.7	3.0										
		2	24.5	8.1	31.2	7.8	111.5	4.8	3.4										
				1	24.6	8.2	31.6	8.7	124.8	2.1	4.6	8.7	2.2	4.5					
		2	24.5	8.2	31.6	8.7	124.6	2.3	4.9										
Surface	1.0	1	24.6	8.2	31.6	8.6	124.2	2.1	4.4										
		2	24.6	8.2	31.6	8.6	124.3	2.1	4.1										
				1	24.6	8.2	31.6	8.6	124.2	2.1	4.4	8.6	3.8	4.4					
		2	24.6	8.2	31.6	8.6	124.2	2.1	4.1										
Surface	1.0	1	25.1	8.2	32.2	8.0	116.6	3.6	5.2										
		2	25.1	8.2	32.2	8.0	116.5	3.6	4.8										
				1	25.1	8.2	32.2	8.0	115.9	3.8	3.8	8.0	3.8	4.4					
		2	25.1	8.2	32.2	8.0	115.8	4.2	3.6										
Bottom	2.3	1	25.1	8.2	32.2	8.0	115.9	3.8	3.8										
		2	25.1	8.2	32.2	8.0	115.8	4.2	3.6										

Date	Tide	Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Water Level	Sampling depth (m)	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	Dissolved Oxygen (DO) (mg/L)	DO Saturation (%)	Turbidity (NTU)	Suspended Solids (SS) (mg/L)	Depth-averaged										
																	DO (mg/L)	Turbidity (NTU)	SS (mg/L)								
2023-05-05	Mid-Ebb	TCE-C1	Fine	Calm	12:46	8.2	Surface	1.0	1	25.6	8.0	30.0	7.4	106.9	3.2	3.8	7.4	4.5	5.1								
									2	25.6	8.0	30.0	7.4	106.8	3.2	4.2											
							Middle	4.1	1	25.6	8.0	30.0	7.3	106.5	5.0	4.6											
									2	25.7	8.0	30.0	7.3	106.4	5.0	5.0											
							Bottom	7.2	1	25.7	8.0	30.0	7.3	106.2	5.3	6.4											
									2	25.7	8.0	30.0	7.3	106.1	5.3	6.3											
							TCE-C2	Fine	Calm	11:06	12.4	Surface	1.0	1	24.8	8.0				32.0	7.0	101.3	3.0	3.9	6.8	4.2	3.3
													2	24.7	8.0	32.1				6.8	97.9	3.1	3.5				
		Middle	6.2	1	24.7	8.0	32.3					6.8	97.8	4.3	3.3												
				2	24.7	8.0	32.3					6.8	97.8	4.3	3.1												
		Bottom	11.4	1	24.7	8.0	32.3					6.8	98.1	5.3	3.0												
				2	24.7	8.0	32.2					6.8	98.2	5.2	2.7												
		TCE-WQM1	Fine	Calm	12:19	8.8	Surface	1.0	1	25.7	8.0	30.3	7.2	105.1	3.1	2.6	7.2	4.4	3.3								
								2	25.7	8.0	30.3	7.2	105.0	3.1	2.2												
		Middle					4.4	1	25.7	8.0	30.3	7.2	104.7	4.7	3.4												
								2	25.7	8.0	30.3	7.2	104.6	4.6	3.5												
		Bottom					7.8	1	25.7	8.0	30.3	7.2	104.3	5.4	4.2												
								2	25.7	8.0	30.3	7.2	104.0	5.5	3.8												
		TCE-WQM2a	Fine	Calm	11:48	6.6	Surface	1.0	1	25.4	8.0	30.6	7.1	102.8	2.0	2.7	7.0	2.8	3.2								
								2	25.4	8.0	30.6	7.1	102.8	2.0	2.5												
		Middle					3.3	1	25.3	8.0	30.7	7.0	101.3	3.0	3.3												
								2	25.3	8.0	30.7	7.0	101.2	2.9	3.0												
		Bottom					5.6	1	25.3	8.0	30.7	7.0	100.6	3.4	3.6												
								2	25.3	8.0	30.7	6.9	100.5	3.5	3.9												
		TCE-WQM2b	Fine	Calm	11:37	11.0	Surface	1.0	1	25.3	8.0	29.8	7.1	101.7	4.1	2.2	7.1	5.1	2.9								
								2	25.3	8.0	29.8	7.1	101.7	4.1	2.6												
		Middle					5.5	1	25.3	8.0	29.8	7.1	101.5	5.2	3.2												
								2	25.3	8.0	29.8	7.0	101.4	5.3	2.9												
		Bottom					10.0	1	25.5	8.0	29.6	7.0	101.0	6.0	3.1												
								2	25.6	8.0	29.5	7.0	100.7	6.1	3.3												
		TCE-WQM3A	Fine	Calm	11:58	4.6	Surface	1.0	1	25.3	8.0	30.3	6.8	98.4	3.5	4.1	6.8	4.2	4.3								
								2	25.3	8.0	30.4	6.8	98.2	3.5	3.7												
		Middle						1	25.4	8.0	30.3	6.9	99.3	4.9	4.5												
								2	25.4	8.0	30.3	6.9	100.1	4.9	4.8												
		Bottom					3.6	1	25.4	8.0	30.3	6.9	100.1	4.9	4.5												
								2	25.4	8.0	30.3	6.9	100.1	4.9	4.8												
		TCE-WQM4	Fine	Calm	12:07	4.2	Surface	1.0	1	25.8	8.0	30.9	7.1	104.3	5.2	2.9	7.1	5.7	3.6								
								2	25.7	8.0	31.0	7.1	104.2	5.2	3.3												
		Middle						1	25.6	8.0	31.1	7.1	103.6	6.1	3.9												
								2	25.5	8.0	31.1	7.1	103.1	6.1	4.2												
		Bottom					3.2	1	25.6	8.0	31.1	7.1	103.6	6.1	3.9												
								2	25.5	8.0	31.1	7.1	103.1	6.1	4.2												
		2023-05-05	Mid-Flood	TCE-C1	Fine	Calm	17:46	8.6	Surface	1.0	1	25.7	8.0	30.0	7.5	109.5	3.2	6.4	7.5	4.4	5.7						
											2	25.7	8.0	30.0	7.5	109.5	3.1	6.0									
									Middle	4.3	1	25.7	8.0	30.0	7.5	109.3	4.3	5.8									
											2	25.7	8.0	30.0	7.5	109.3	4.3	5.5									
									Bottom	7.6	1	25.7	8.0	30.0	7.5	109.1	5.7	5.2									
											2	25.7	8.0	30.0	7.5	109.0	5.6	5.1									
TCE-C2	Fine								Calm	19:08	14.0	Surface	1.0	1	25.6	8.0	29.9	7.2				103.6	2.0	2.4	7.1	2.9	2.7
													2	25.6	8.0	29.9	7.1	103.5				1.9	2.1				
Middle				7.0	1	25.6	8.0	29.9				7.1	103.3	2.9	2.6												
					2	25.6	8.0	29.9				7.1	103.2	2.9	2.9												
Bottom				13.0	1	25.7	8.0	29.8				7.1	103.3	3.8	3.4												
					2	25.7	8.0	29.8				7.1	103.3	3.7	3.0												
TCE-WQM1	Fine			Calm	18:14	9.4	Surface	1.0	1	25.8	8.0	30.3	7.2	105.4	4.9	4.9	7.2	5.6	5.4								
								2	25.8	8.0	30.3	7.2	105.2	5.0	4.6												
Middle							4.7	1	25.8	8.0	30.3	7.2	104.7	5.3	5.6												
								2	25.8	8.0	30.3	7.2	104.6	5.3	5.4												
Bottom							8.4	1	25.9	8.0	30.2	7.2	104.5	6.6	5.9												
								2	26.0	8.0	30.2	7.2	104.4	6.6	6.2												
TCE-WQM2a	Fine			Calm	18:36	7.8	Surface	1.0	1	25.9	8.0	30.6	7.4	108.1	2.4	2.8	7.2	4.0	2.4								
								2	25.9	8.0	30.6	7.4	108.1	2.4	2.6												
Middle							3.9	1	25.8	8.0	30.8	7.1	103.8	4.5	2.4												
								2	25.8	8.0	30.8	7.1	103.5	4.6	2.4												
Bottom							6.8	1	25.9	8.0	30.7	7.0	102.3	5.2	2.3												
								2	26.0	8.0	30.6	7.0	102.0	5.2	2.1												
TCE-WQM2b	Fine			Calm	18:48	11.0	Surface	1.0	1	25.5	8.0	29.5	7.3	104.8	1.2	2.5	7.2	2.5	2.9								
								2	25.5	8.0	29.5	7.2	104.5	1.2	2.2												
Middle							5.5	1	25.5	8.0	29.5	7.2	104.0	2.5	2.6												
								2	25.6	8.0	29.5	7.2	103.7	2.4	3.0												
Bottom							10.0	1	25.8	8.0	29.3	6.9	100.2	3.9	3.3												
								2	25.9	8.0	29.3	6.9	99.8	3.9	3.5												
TCE-WQM3A	Fine			Calm	18:30	4.6	Surface	1.0	1	25.7	8.0	30.8	7.1	103.1	2.1	4.1	7.1	2.8	3.8								
								2	25.7	8.0	30.9	7.1	102.8	2.1	4.4												
Middle								1	25.6	8.0	31.0	7.1	103.0	3.6	3.1												
								2	25.6	8.0	31.0	7.1	103.4	3.5	3.6												
Bottom							3.6	1	25.6	8.0	31.0	7.1	103.0	3.6	3.1												
								2	25.6	8.0	31.0	7.1	103.4	3.5	3.6												
TCE-WQM4	Fine			Calm	18:24	4.2	Surface	1.0	1	25.9	8.0	30.5	7.1	103.1	3.5	5.2	7.0	4.2	4.7								
								2	25.9	8.0	30.5	7.0	103.0	3.4	4.9												
Middle								1	26.1	8.0	30.4	6.9	101.0	4.8	4.1												
								2	26.2	8.0	30.4	6.9	100.6	4.9	4.5												
Bottom							3.2	1	26.1	8.0	30.4	6.9	101.0	4.8	4.1												
								2	26.2	8.0	30.4	6.9	100.6	4.9	4.5												

Date	Tide	Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Water Level	Sampling depth (m)	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	Dissolved Oxygen (DO) (mg/L)	DO Saturation (%)	Turbidity (NTU)	Suspended Solids (SS) (mg/L)	Depth-averaged		
																	DO (mg/L)	Turbidity (NTU)	SS (mg/L)
2023-05-08	Mid-Ebb	TCE-C1	Rainy	Rough	12:58	7.9	Surface	1.0	1	24.5	7.9	27.1	6.1	85.9	5.7	2.7	6.1	7.4	3.4
									2	24.5	7.9	27.1	6.1	85.9	5.7	3.0			
							Middle	4.0	1	24.5	8.0	27.3	6.1	85.9	7.2	3.6			
							Bottom	6.9	1	24.5	8.0	27.3	6.1	85.9	7.2	3.2			
				2	24.5	8.0	27.4	6.1	85.2	9.5	4.1								
				2	24.4	7.9	26.0	6.3	87.3	2.2	2.8								
		TCE-C2	Rainy	Moderate	15:26	13.4	Surface	1.0	1	24.4	7.9	26.2	6.3	87.1	2.3	2.4	6.2	3.2	3.3
									2	24.5	7.9	27.0	6.2	86.2	2.8	3.1			
							Middle	6.7	1	24.6	7.9	27.0	6.2	86.2	2.8	3.5			
							Bottom	12.4	1	24.4	7.9	28.3	6.1	85.4	4.4	3.8			
				2	24.4	7.9	28.3	6.1	85.5	4.4	4.2								
		TCE-WQM1	Rainy	Moderate	13:44	8.8	Surface	1.0	1	24.5	7.9	27.1	6.2	86.4	5.7	2.3	6.0	6.7	2.5
								2	24.5	7.9	27.1	6.2	86.4	5.9	2.1				
	Middle						4.4	1	24.5	8.0	27.2	5.8	80.7	6.7	2.7				
	Bottom						7.8	1	24.5	8.0	27.2	5.8	80.6	6.6	2.4				
			2	24.5	7.9	27.4	5.6	78.8	7.8	2.7									
			2	24.5	7.9	27.4	5.6	78.8	7.8	2.9									
	TCE-WQM2a	Rainy	Moderate	14:39	6.8	Surface	1.0	1	24.6	7.9	26.9	6.3	88.6	2.2	3.5	6.2	3.1	3.0	
								2	24.6	7.9	26.9	6.3	88.6	2.2	2.9				
						Middle	3.4	1	24.4	7.9	27.9	6.1	85.6	2.2	3.0				
						Bottom	5.8	1	24.4	7.9	27.9	6.1	85.6	2.2	3.3				
			2	24.3	8.0	28.9	6.0	83.9	4.9	2.7									
			2	24.3	8.0	28.9	6.0	83.9	4.9	2.5									
	TCE-WQM2b	Rainy	Moderate	14:56	9.7	Surface	1.0	1	24.5	7.9	26.1	6.3	87.5	2.1	2.7	6.2	3.6	3.0	
							2	24.5	7.9	26.1	6.3	87.5	2.1	2.6					
Middle						4.9	1	24.4	7.9	28.0	6.1	85.0	3.9	2.9					
Bottom						8.7	1	24.4	7.9	27.9	6.1	85.0	3.9	3.1					
		2	24.4	8.0	28.5	6.0	83.9	5.0	3.5										
		2	24.4	8.0	28.5	6.0	83.9	4.9	3.4										
TCE-WQM3A	Rainy	Moderate	14:23	4.4	Surface	1.0	1	24.6	7.9	26.1	6.3	88.6	1.7	2.7	6.3	1.8	3.3		
							2	24.6	7.9	26.1	6.3	88.6	1.7	3.0					
					Bottom	3.4	1	24.6	7.9	26.2	6.1	85.5	1.9	3.8					
		2	24.6	7.9	26.2	6.1	85.4	1.9	3.5										
TCE-WQM4	Rainy	Moderate	14:09	3.9	Surface	1.0	1	24.6	7.9	26.1	6.1	85.2	1.8	4.1	6.1	2.4	3.7		
							2	24.6	7.9	26.1	6.1	85.1	1.8	4.4					
					Bottom	2.9	1	24.5	7.9	26.6	5.8	81.4	3.0	3.2					
		2	24.5	7.9	26.6	5.8	81.3	3.1	3.0										
2023-05-08	Mid-Flood	TCE-C1	Rainy	Rough	8:45	8.5	Surface	1.0	1	24.5	7.9	26.1	6.1	84.1	1.9	4.1	5.9	3.9	3.4
									2	24.5	7.9	26.1	6.0	84.0	1.9	3.8			
							Middle	4.3	1	24.6	7.9	26.4	5.8	80.6	3.6	3.6			
							Bottom	7.5	1	24.6	7.9	26.4	5.7	80.1	3.7	3.3			
				2	24.6	7.9	26.5	5.5	76.7	6.0	2.6								
				2	24.6	7.9	26.5	5.5	76.4	6.1	3.0								
		TCE-C2	Rainy	Rough	6:35	13.9	Surface	1.0	1	24.2	7.8	27.7	6.4	88.9	3.2	4.5	6.3	3.6	3.9
									2	24.2	7.8	27.7	6.4	88.8	3.3	4.8			
							Middle	7.0	1	24.1	7.8	29.8	6.2	87.3	3.5	3.9			
							Bottom	12.9	1	24.1	7.8	29.9	6.2	87.3	3.6	3.5			
				2	24.0	7.8	30.0	5.8	81.1	4.2	3.0								
				2	24.0	7.8	30.0	5.8	81.1	4.3	3.4								
	TCE-WQM1	Rainy	Rough	7:51	9.3	Surface	1.0	1	24.5	7.9	26.0	6.2	86.6	1.8	3.8	6.2	2.1	3.2	
								2	24.4	7.9	26.0	6.2	86.5	1.9	4.2				
						Middle	4.7	1	24.4	7.9	28.3	6.1	85.4	2.6	3.0				
						Bottom	8.3	1	24.4	7.9	28.3	6.1	85.4	2.6	3.5				
			2	24.3	7.9	29.2	5.9	83.4	1.9	2.6									
			2	24.3	7.9	29.2	5.9	83.5	2.0	2.2									
	TCE-WQM2a	Rainy	Moderate	7:13	7.2	Surface	1.0	1	24.5	7.9	26.9	6.1	85.6	2.7	4.5	6.1	3.1	3.5	
								2	24.5	7.9	26.9	6.1	85.6	2.7	5.0				
						Middle	3.6	1	24.5	7.9	27.3	6.0	84.4	3.1	3.5				
						Bottom	6.2	1	24.5	7.9	27.3	6.0	84.3	3.1	3.2				
			2	24.3	7.9	28.3	5.9	82.3	3.4	2.6									
			2	24.3	7.9	28.3	5.8	82.0	3.4	2.4									
TCE-WQM2b	Rainy	Rough	6:57	10.1	Surface	1.0	1	24.2	7.9	27.8	6.4	88.9	3.3	2.3	6.3	3.5	3.0		
							2	24.2	7.9	27.8	6.4	88.9	3.3	2.6					
					Middle	5.1	1	24.3	7.9	27.9	6.3	88.3	3.6	3.1					
					Bottom	9.1	1	24.3	7.9	27.9	6.3	88.3	3.6	2.8					
		2	24.0	7.8	30.2	6.2	87.5	3.5	3.5										
		2	24.0	7.8	30.2	6.2	87.6	3.6	3.8										
TCE-WQM3A	Rainy	Moderate	7:25	4.8	Surface	1.0	1	24.5	7.9	26.7	6.2	86.8	2.5	3.0	6.2	2.9	2.9		
							2	24.5	7.9	26.7	6.2	86.8	2.5	3.4					
					Bottom	3.8	1	24.5	7.9	27.8	6.1	85.4	3.4	2.7					
		2	24.5	7.9	27.8	6.1	85.3	3.4	2.4										
TCE-WQM4	Rainy	Moderate	7:39	4.2	Surface	1.0	1	24.3	7.9	28.6	6.0	84.7	2.2	3.5	6.0	2.4	3.0		
							2	24.3	7.9	28.6	6.0	84.6	2.2	3.1					
					Bottom	3.2	1	24.3	7.9	29.1	5.8	82.1	2.5	2.7					
		2	24.3	7.9	29.1	5.8	82.1	2.5	2.6										

Date	Tide	Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Water Level	Sampling depth (m)	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	Dissolved Oxygen (DO) (mg/L)	DO Saturation (%)	Turbidity (NTU)	Suspended Solids (SS) (mg/L)	Depth-averaged		
																	DO (mg/L)	Turbidity (NTU)	SS (mg/L)
2023-05-10	Mid-Ebb	TCE-C1	Cloudy	Moderate	14:37	8.9	Surface	1.0	1	25.1	8.1	33.2	6.3	92.9	6.9	5.1	6.3	8.7	6.1
									2	25.1	8.1	33.2	6.3	92.8	7.0	5.5			
							Middle	4.5	1	25.1	8.1	33.3	6.3	92.2	8.9	6.3			
							Bottom	7.9	1	25.1	8.1	33.3	6.3	92.2	8.5	6.0			
				2	25.1	8.1	33.3	6.3	91.8	10.5	6.6								
				2	25.1	8.1	33.3	6.3	91.8	10.5	6.8								
		TCE-C2	Cloudy	Moderate	16:38	14.4	Surface	1.0	1	25.0	8.0	32.4	5.8	84.5	2.7	5.2	5.8	3.2	5.8
									2	24.9	8.0	32.5	5.8	84.1	2.8	5.5			
							Middle	7.2	1	24.9	8.0	32.9	5.8	83.6	3.2	5.9			
							Bottom	13.4	1	24.8	8.0	32.9	5.8	83.8	3.3	5.6			
				2	24.8	8.0	33.1	5.9	85.4	3.6	6.2								
				2	24.8	8.0	33.1	5.9	85.5	3.6	6.6								
	TCE-WQM1	Cloudy	Moderate	15:25	8.4	Surface	1.0	1	25.1	8.0	30.4	6.4	92.3	5.0	2.6	6.5	6.7	3.5	
								2	25.1	8.0	30.5	6.4	92.4	4.9	2.9				
						Middle	4.2	1	25.1	8.0	30.7	6.5	93.8	6.4	3.8				
						Bottom	7.4	1	25.1	8.0	30.7	6.5	94.0	6.9	3.5				
			2	25.1	8.0	30.7	6.6	95.0	8.1	4.4									
			2	25.1	8.0	30.7	6.6	95.4	8.7	4.0									
	TCE-WQM2a	Cloudy	Moderate	15:58	7.1	Surface	1.0	1	25.1	8.0	30.2	6.3	90.8	1.7	4.1	6.2	3.7	3.3	
								2	25.1	8.0	30.2	6.3	90.8	1.7	3.7				
						Middle	3.6	1	25.0	8.0	30.6	6.2	88.9	2.0	3.0				
						Bottom	6.1	1	24.9	8.0	31.4	6.2	89.7	7.5	2.8				
			2	24.9	8.0	31.4	6.2	90.1	7.2	2.6									
	TCE-WQM2b	Cloudy	Moderate	16:09	11.5	Surface	1.0	1	25.1	8.0	30.9	6.1	88.2	2.7	3.8	6.0	3.4	4.2	
							2	25.1	8.0	30.9	6.1	88.1	2.7	3.4					
Middle						5.8	1	25.0	8.0	31.6	6.0	86.4	3.3	4.0					
Bottom						10.5	1	24.9	8.0	31.8	6.0	86.3	3.4	4.4					
		2	24.9	8.0	32.3	6.0	86.3	4.1	4.7										
		2	24.9	8.0	32.3	6.0	86.8	4.1	5.0										
TCE-WQM3A	Cloudy	Moderate	15:49	4.6	Surface	1.0	1	25.0	8.0	30.0	6.2	89.1	6.6	5.6	6.2	8.4	5.9		
							2	25.0	8.0	30.0	6.2	89.2	6.6	5.3					
					Bottom	3.6	1	25.0	8.0	30.1	6.2	89.5	10.3	6.2					
							2	25.0	8.0	30.1	6.3	89.9	10.2	6.4					
TCE-WQM4	Cloudy	Moderate	15:39	3.1	Surface	1.0	1	25.1	8.0	29.9	6.3	90.8	2.3	5.0	6.3	2.3	4.3		
							2	25.1	8.0	29.9	6.3	91.0	2.3	4.6					
					Bottom	2.1	1	25.0	8.0	29.9	6.5	93.0	2.2	4.0					
							2	25.0	8.0	29.9	6.5	93.4	2.2	3.7					
2023-05-10	Mid-Flood	TCE-C1	Cloudy	Moderate	9:59	8.8	Surface	1.0	1	25.1	8.1	33.1	6.4	93.3	5.5	7.1	6.3	7.5	6.7
									2	25.1	8.1	33.1	6.4	93.2	5.5	7.1			
							Middle	4.4	1	25.1	8.0	33.2	6.3	91.5	8.8	6.8			
							Bottom	7.8	1	25.1	8.0	33.1	6.3	91.6	8.3	6.4			
				2	25.1	8.0	33.0	6.3	92.6	8.3	6.4								
				2	25.0	8.0	33.1	6.3	92.7	8.5	6.3								
		TCE-C2	Cloudy	Moderate	8:04	14.5	Surface	1.0	1	24.9	8.0	32.5	5.8	84.2	3.7	2.3	5.8	3.9	2.8
									2	24.9	8.0	32.6	5.8	84.1	3.7	2.5			
							Middle	7.3	1	24.9	8.0	32.8	5.8	83.7	3.8	2.7			
							Bottom	13.5	1	24.9	8.0	32.8	5.8	83.7	3.9	2.9			
				2	24.9	8.0	32.8	5.8	83.8	4.1	3.3								
				2	24.9	8.0	32.8	5.8	83.8	4.1	3.2								
	TCE-WQM1	Cloudy	Moderate	9:09	8.4	Surface	1.0	1	25.0	8.0	30.2	6.3	90.2	5.2	6.1	6.3	6.2	6.9	
								2	25.0	8.0	30.2	6.3	90.3	5.4	6.5				
						Middle	4.2	1	25.0	8.0	30.3	6.4	91.3	5.5	7.0				
						Bottom	7.4	1	25.0	8.0	30.3	6.4	91.3	5.5	6.6				
			2	25.0	8.0	30.3	6.4	92.1	7.7	7.4									
			2	25.0	7.9	30.3	6.4	92.5	7.8	7.8									
	TCE-WQM2a	Cloudy	Moderate	8:39	7.3	Surface	1.0	1	25.1	8.0	30.5	6.2	89.1	2.2	3.6	6.2	5.4	4.5	
								2	25.1	8.0	30.5	6.2	89.1	2.2	4.1				
						Middle	3.7	1	25.0	8.0	30.5	6.2	88.7	6.2	4.6				
						Bottom	6.3	1	25.0	8.0	30.5	6.2	88.7	7.3	4.4				
			2	25.0	8.0	30.5	6.2	88.6	7.8	4.8									
			2	25.0	8.0	30.5	6.2	88.7	6.6	5.2									
TCE-WQM2b	Cloudy	Moderate	8:27	11.1	Surface	1.0	1	25.0	8.0	30.9	6.2	89.1	3.0	2.3	6.2	3.0	3.3		
							2	25.0	8.0	31.0	6.2	89.1	3.0	2.6					
					Middle	5.6	1	25.0	8.0	31.1	6.2	89.2	3.0	3.0					
					Bottom	10.1	1	25.0	8.0	31.1	6.2	89.3	3.0	3.5					
		2	25.0	8.0	31.1	6.3	90.6	3.0	4.1										
		2	25.0	8.0	31.1	6.3	91.1	3.0	4.5										
TCE-WQM3A	Cloudy	Moderate	8:49	4.6	Surface	1.0	1	25.0	8.0	29.9	6.1	87.6	6.1	3.0	6.1	8.3	3.3		
							2	25.0	8.0	29.9	6.1	87.7	6.4	2.7					
					Bottom	3.6	1	25.0	8.0	30.0	6.2	88.7	10.0	3.9					
							2	25.0	8.0	30.0	6.2	88.9	10.7	3.5					
TCE-WQM4	Cloudy	Moderate	8:59	3.4	Surface	1.0	1	25.0	8.0	29.7	6.3	90.2	3.9	7.8	6.3	6.2	8.1		
							2	25.0	8.0	29.7	6.3	90.4	3.9	7.6					
					Bottom	2.4	1	25.0	8.0	29.9	6.4	92.0	8.5	8.2					
							2	25.0	8.0	29.9	6.4	92.2	8.7	8.6					

Date	Tide	Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Water Level	Sampling depth (m)	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	Dissolved Oxygen (DO) (mg/L)	DO Saturation (%)	Turbidity (NTU)	Suspended Solids (SS) (mg/L)	Depth-averaged			
																	DO (mg/L)	Turbidity (NTU)	SS (mg/L)	
2023-05-12	Mid-Ebb	TCE-C1	Fine	Rough	16:43	7.8	Surface	1.0	1	24.6	8.2	29.9	6.4	90.9	3.5	2.3	6.3	6.3	3.0	
									2	24.6	8.2	29.9	6.4	90.9	3.5	2.5				
							Middle	3.9	1	24.6	8.2	30.0	6.2	88.9	6.7	3.0				
							Bottom	6.8	1	24.6	8.2	30.1	6.2	88.3	8.7	4.0				
				2	24.6	8.2	30.1	6.2	88.3	8.7	2.8									
		TCE-C2	Fine	Rough	18:42	12.9	Surface	1.0	1	24.8	8.2	32.0	6.5	93.3	2.2	2.7	6.2	2.5	3.2	
									2	24.8	8.2	32.0	6.5	93.3	2.2	2.2				
							Middle	6.5	1	24.8	8.2	32.4	5.9	85.3	1.7	3.5				
							Bottom	11.9	1	24.7	8.2	32.4	5.9	85.3	1.7	2.8				
				2	24.7	8.2	33.2	5.8	83.3	3.4	3.5									
				2	24.7	8.2	33.2	5.8	83.3	3.5	4.3									
		TCE-WQM1	Fine	Moderate	17:27	9.2	Surface	1.0	1	24.7	8.2	29.7	6.4	90.6	2.7	3.2	6.3	3.7	3.1	
									2	24.7	8.2	29.7	6.4	90.6	2.8	3.1				
							Middle	4.6	1	24.7	8.2	29.7	6.3	89.7	4.0	3.2				
							Bottom	8.2	1	24.7	8.2	29.7	6.3	89.6	4.0	4.0				
				2	24.7	8.2	29.8	6.2	88.6	4.5	2.5									
				2	24.7	8.2	29.8	6.2	88.6	4.5	2.8									
		TCE-WQM2a	Fine	Rough	18:06	6.9	Surface	1.0	1	24.8	8.2	30.1	6.1	86.7	2.1	2.7	6.0	3.6	3.8	
									2	24.8	8.2	30.1	6.1	86.7	2.1	3.2				
							Middle	3.5	1	24.8	8.2	30.2	6.0	85.8	3.0	5.1				
							Bottom	5.9	1	24.8	8.2	30.2	6.0	85.8	3.1	4.2				
				2	24.9	8.2	30.8	5.7	82.3	5.5	4.3									
				2	24.9	8.2	30.8	5.7	82.3	5.6	3.2									
		TCE-WQM2b	Fine	Rough	18:19	9.3	Surface	1.0	1	24.8	8.2	30.1	6.3	90.6	1.5	2.8	6.2	2.3	2.9	
								2	24.8	8.2	30.1	6.3	90.7	1.5	2.8					
	Middle						4.7	1	24.8	8.2	30.8	6.1	87.6	1.7	2.7					
	Bottom						8.3	1	24.8	8.2	30.8	6.1	87.6	1.7	2.5					
			2	24.8	8.2	32.4	5.7	83.2	3.6	3.5										
			2	24.8	8.2	32.4	5.7	83.2	3.6	3.1										
	TCE-WQM3A	Fine	Moderate	17:54	4.8	Surface	1.0	1	24.8	8.2	29.6	6.3	90.2	1.9	6.9	6.3	3.1	4.7		
								2	24.8	8.2	29.6	6.3	90.2	1.9	3.7					
						Bottom	3.8	1	24.7	8.2	30.2	6.1	86.5	4.1	4.5					
								2	24.7	8.2	30.2	6.1	86.5	4.3	3.6					
	TCE-WQM4	Fine	Moderate	17:40	3.9	Surface	1.0	1	24.8	8.2	29.6	6.3	90.0	2.0	2.9	6.3	2.1	3.1		
								2	24.8	8.2	29.6	6.3	90.0	2.0	3.3					
						Bottom	2.9	1	24.7	8.2	30.1	6.2	88.5	2.2	2.5					
								2	24.7	8.2	30.1	6.2	88.5	2.2	3.5					
	2023-05-12	Mid-Flood	TCE-C1	Fine	Rough	7:24	8.1	Surface	1.0	1	24.7	8.2	29.6	6.4	90.8	1.8	2.1	6.4	3.8	2.2
										2	24.7	8.2	29.6	6.4	90.8	1.9	2.2			
								Middle	4.1	1	24.7	8.2	29.7	6.3	90.3	3.9	2.0			
								Bottom	7.1	1	24.7	8.2	29.7	6.3	90.3	3.9	1.8			
					2	24.7	8.2	30.2	6.1	86.6	5.7	2.1								
					2	24.7	8.2	30.2	6.1	86.6	5.7	2.8								
			TCE-C2	Fine	Moderate	5:19	13.8	Surface	1.0	1	24.8	8.2	30.6	6.2	88.4	1.8	3.4	6.0	2.2	3.4
										2	24.8	8.2	30.6	6.2	88.3	1.8	2.7			
								Middle	6.9	1	24.9	8.2	31.8	5.7	83.0	2.2	3.7			
								Bottom	12.8	1	24.9	8.2	31.8	5.7	83.0	2.2	4.3			
					2	24.7	8.2	33.1	5.6	81.6	2.8	3.1								
				2	24.7	8.2	33.1	5.6	81.6	2.8	3.4									
TCE-WQM1			Fine	Moderate	6:32	9.7	Surface	1.0	1	24.8	8.2	29.6	6.3	89.2	3.0	3.3	6.2	5.3	3.7	
									2	24.8	8.2	29.6	6.3	89.2	3.1	2.5				
							Middle	4.9	1	24.7	8.2	30.2	6.1	86.7	4.6	3.9				
							Bottom	8.7	1	24.9	8.2	30.9	5.7	82.3	8.2	3.6				
				2	24.9	8.2	30.9	5.7	82.3	8.3	3.8									
TCE-WQM2a			Fine	Moderate	5:56	7.7	Surface	1.0	1	24.9	8.2	29.1	6.2	88.8	1.9	2.5	6.1	2.9	3.4	
									2	24.9	8.2	29.1	6.2	88.8	1.9	4.3				
							Middle	3.9	1	24.9	8.2	30.6	5.9	85.0	2.9	2.8				
							Bottom	6.7	1	24.9	8.2	30.6	5.9	85.0	3.0	3.8				
				2	24.9	8.2	31.1	5.8	84.1	3.7	3.1									
				2	24.9	8.2	31.2	5.8	84.2	3.7	4.1									
TCE-WQM2b			Fine	Moderate	5:44	10.7	Surface	1.0	1	24.8	8.2	30.3	6.2	88.7	2.1	5.0	6.2	1.8	3.6	
								2	24.8	8.2	30.3	6.2	88.7	2.1	3.7					
		Middle					5.4	1	24.8	8.2	30.8	6.2	88.3	1.6	3.8					
		Bottom					9.7	1	24.8	8.2	30.8	6.2	88.3	1.6	2.8					
			2	24.8	8.2	30.8	6.1	88.2	1.7	3.2										
			2	24.8	8.2	30.8	6.1	88.2	1.7	3.0										
TCE-WQM3A		Fine	Calm	6:09	5.1	Surface	1.0	1	24.9	8.2	27.9	6.5	91.3	1.6	3.9	6.5	1.9	3.4		
								2	24.9	8.2	27.9	6.5	91.3	1.6	2.8					
						Bottom	4.1	1	24.9	8.2	29.8	6.1	87.1	2.2	3.9					
								2	24.9	8.2	29.8	6.1	87.1	2.2	2.9					
TCE-WQM4		Fine	Calm	6:20	4.5	Surface	1.0	1	24.7	8.2	30.1	6.2	87.8	2.0	3.5	6.2	3.1	3.6		
								2	24.7	8.2	30.1	6.2	87.8	2.1	4.9					
						Bottom	3.5	1	24.8	8.2	30.8	5.8	83.9	4.1	3.6					
								2	24.8	8.2	30.8	5.8	83.9	4.1	2.5					

Date	Tide	Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Water Level	Sampling depth (m)	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	Dissolved Oxygen (DO) (mg/L)	DO Saturation (%)	Turbidity (NTU)	Suspended Solids (SS) (mg/L)	Depth-averaged		
																	DO (mg/L)	Turbidity (NTU)	SS (mg/L)
2023-05-15	Mid-Ebb	TCE-C1	Fine	Moderate	11:33	8.1	Surface	1.0	1	24.3	7.9	27.8	5.9	82.0	1.7	1.6	5.8	2.7	2.0
									2	24.3	7.9	27.8	5.9	82.0	1.7	1.8			
							Middle	4.1	1	24.0	7.9	28.0	5.8	81.1	2.0	1.8			
							Bottom	7.1	1	24.1	7.9	28.2	5.9	82.2	4.5	2.3			
				2	24.1	7.9	28.2	5.9	82.2	4.5	2.5								
		TCE-C2	Fine	Moderate	9:23	13.9	Surface	1.0	1	24.1	7.8	29.4	5.9	82.9	1.8	1.4	5.8	1.9	1.9
									2	24.2	7.8	29.3	5.9	82.9	1.7	1.5			
							Middle	7.0	1	23.9	7.8	30.6	5.7	80.9	1.4	1.7			
							Bottom	12.9	1	23.9	7.8	30.6	5.7	80.9	1.5	1.9			
				2	23.9	7.8	30.8	5.6	79.3	2.6	2.2								
				2	23.9	7.8	30.8	5.6	79.3	2.6	2.5								
		TCE-WQM1	Fine	Calm	10:39	10.2	Surface	1.0	1	24.1	7.9	27.6	6.3	89.8	1.9	1.9	6.1	2.3	2.5
								2	24.1	7.9	27.6	6.3	89.7	1.9	1.8				
	Middle						5.1	1	24.1	7.9	27.6	6.0	83.8	2.1	2.4				
	Bottom						9.2	1	24.1	7.9	27.6	6.0	83.8	2.1	2.1				
			2	24.1	7.9	28.5	5.6	78.8	2.8	3.1									
			2	24.1	7.9	28.5	5.6	79.0	2.9	3.6									
	TCE-WQM2a	Fine	Calm	9:57	7.2	Surface	1.0	1	24.2	7.9	28.0	6.4	90.8	1.5	2.2	6.1	1.5	1.9	
								2	24.2	7.9	28.0	6.4	90.8	1.5	2.4				
						Middle	3.6	1	24.1	7.9	28.8	5.8	81.2	1.9	1.9				
						Bottom	6.2	1	24.1	7.9	28.8	5.8	81.2	1.9	1.7				
			2	24.0	7.9	29.0	5.7	80.7	1.1	1.6									
			2	24.0	7.9	29.1	5.7	80.7	1.1	1.4									
	TCE-WQM2b	Fine	Moderate	9:46	10.2	Surface	1.0	1	24.2	7.9	28.6	6.2	86.3	1.7	1.4	6.0	2.6	1.6	
							2	24.2	7.9	28.6	6.2	86.3	1.8	1.2					
Middle						5.1	1	24.1	7.9	29.9	5.8	81.8	2.9	1.6					
Bottom						9.2	1	24.1	7.9	29.9	5.8	81.8	2.9	1.7					
		2	24.0	7.9	30.6	5.6	79.5	3.1	1.9										
		2	24.0	7.9	30.6	5.6	79.5	3.2	1.6										
TCE-WQM3A	Fine	Calm	10:09	5.3	Surface	1.0	1	24.2	7.9	27.6	6.0	83.2	3.4	2.0	6.0	4.1	2.5		
							2	24.2	7.9	27.6	6.0	83.2	3.4	2.3					
					Bottom	4.3	1	24.2	7.9	28.6	5.8	81.1	4.7	3.0					
		2	24.2	7.9	28.6	5.8	81.1	4.7	2.7										
TCE-WQM4	Fine	Calm	10:22	4.4	Surface	1.0	1	24.0	7.9	28.2	6.1	86.8	5.7	2.2	6.1	4.2	2.1		
							2	24.0	7.9	28.2	6.1	86.8	5.7	2.5					
					Bottom	3.4	1	24.2	7.9	29.1	5.7	79.9	2.8	1.8					
		2	24.2	7.9	29.1	5.7	79.9	2.8	1.9										
2023-05-15	Mid-Flood	TCE-C1	Fine	Rough	14:05	7.5	Surface	1.0	1	23.9	8.0	28.5	6.1	85.7	1.9	1.3	6.1	2.6	1.9
									2	23.9	8.0	28.5	6.1	85.7	1.9	1.5			
							Middle	3.8	1	23.8	8.0	28.8	6.1	85.4	2.4	1.7			
									2	23.8	8.0	28.8	6.1	85.4	2.5	1.9			
							Bottom	6.5	1	23.8	8.0	29.1	6.1	85.8	3.5	2.2			
									2	23.8	8.0	29.1	6.1	85.8	3.6	2.6			
		TCE-C2	Fine	Moderate	16:09	13.2	Surface	1.0	1	24.3	8.0	28.6	5.9	82.8	1.7	2.4	5.8	2.1	1.9
									2	24.3	8.0	28.6	5.9	82.8	1.7	2.1			
							Middle	6.6	1	24.2	8.0	29.1	5.7	80.5	2.8	1.8			
							Bottom	12.2	1	24.1	8.0	29.1	5.7	80.6	2.8	1.8			
				2	24.1	8.0	29.5	5.7	79.8	1.8	1.6								
				2	24.1	8.0	29.4	5.7	80.1	1.9	1.7								
		TCE-WQM1	Fine	Moderate	14:52	9.7	Surface	1.0	1	24.0	8.0	28.7	6.2	86.8	2.5	1.8	6.2	2.9	2.1
									2	24.0	8.0	28.7	6.2	86.8	2.5	1.6			
							Middle	4.9	1	23.9	8.0	29.0	6.2	86.5	2.6	2.1			
							Bottom	8.7	1	23.9	8.0	29.0	6.2	86.5	2.5	2.2			
				2	23.8	8.0	29.1	6.2	86.2	3.6	2.5								
				2	23.8	8.0	29.1	6.2	86.2	3.7	2.5								
		TCE-WQM2a	Fine	Moderate	15:33	6.9	Surface	1.0	1	24.1	7.9	28.6	6.5	91.8	2.9	2.5	6.1	4.2	2.2
									2	24.1	7.9	28.6	6.5	91.8	2.9	2.8			
							Middle	3.5	1	24.1	8.0	29.2	5.8	81.8	4.0	2.3			
							Bottom	5.9	1	24.1	8.0	29.2	5.7	81.3	4.1	2.1			
				2	24.1	8.0	29.4	5.6	78.9	5.6	1.6								
				2	24.1	8.0	29.4	5.6	78.9	5.6	1.9								
	TCE-WQM2b	Fine	Moderate	15:46	9.9	Surface	1.0	1	24.3	8.0	28.9	6.2	87.1	1.9	2.8	6.1	1.7	2.5	
								2	24.2	8.0	28.9	6.2	87.1	1.9	3.3				
						Middle	5.0	1	24.1	8.0	29.2	6.0	84.2	1.6	2.6				
						Bottom	8.9	1	24.1	8.0	29.2	6.0	84.3	1.6	2.4				
			2	24.0	8.0	30.4	5.6	79.5	1.6	1.8									
			2	24.0	8.0	30.4	5.6	79.5	1.6	1.8									
	TCE-WQM3A	Fine	Moderate	15:22	4.1	Surface	1.0	1	24.3	8.0	28.1	6.0	84.1	2.8	1.9	6.0	3.3	1.7	
								2	24.2	8.0	28.2	6.0	84.1	2.8	1.8				
						Bottom	3.1	1	24.1	8.0	28.6	5.9	82.9	3.7	1.6				
			2	24.1	8.0	28.7	5.9	83.0	3.8	1.5									
	TCE-WQM4	Fine	Moderate	15:08	4.9	Surface	1.0	1	24.1	8.0	27.9	6.0	83.3	1.1	1.7	6.0	1.7	2.0	
								2	24.1	8.0	27.9	6.0	83.3	1.1	1.8				
						Bottom	3.9	1	24.2	8.0	28.1	6.0	83.9	2.2	2.4				
			2	24.2	8.0	28.1	6.0	83.9	2.2	2.2									

Date	Tide	Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Water Level	Sampling depth (m)	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	Dissolved Oxygen (DO) (mg/L)	DO Saturation (%)	Turbidity (NTU)	Suspended Solids (SS) (mg/L)	Depth-averaged		
																	DO (mg/L)	Turbidity (NTU)	SS (mg/L)
2023-05-17	Mid-Ebb	TCE-C1	Rainy	Calm	11:46	8.0	Surface	1.0	1	24.2	7.9	27.7	6.4	89.2	1.8	3.5	6.4	2.4	3.0
									2	24.2	7.9	27.9	6.4	89.2	1.8	3.2			
							Middle	4.0	1	24.1	7.9	28.5	6.5	90.6	2.1	3.1			
							Bottom	7.0	1	24.1	7.9	28.5	6.5	90.8	2.1	2.9			
				2	24.1	7.9	28.5	6.6	92.5	3.4	2.5								
				2	24.1	7.9	28.4	6.7	93.3	3.5	2.7								
		TCE-C2	Rainy	Calm	10:06	12.0	Surface	1.0	1	24.2	7.8	27.3	6.4	89.2	1.1	2.5	6.4	1.2	2.8
									2	24.2	7.8	27.3	6.4	89.0	1.1	2.3			
							Middle	6.0	1	24.1	7.8	27.3	6.4	88.8	1.2	2.5			
							Bottom	11.0	1	24.1	7.8	27.3	6.4	89.0	1.2	2.8			
				2	24.1	7.8	26.8	6.5	89.7	1.2	3.4								
				2	24.0	7.8	26.8	6.5	90.0	1.2	3.2								
	TCE-WQM1	Rainy	Calm	11:19	8.6	Surface	1.0	1	24.2	7.9	26.6	6.5	90.3	1.1	2.2	6.5	1.4	2.6	
								2	24.2	7.9	26.7	6.5	90.2	1.1	2.4				
						Middle	4.3	1	24.2	7.9	27.0	6.5	89.9	1.1	2.6				
						Bottom	7.6	1	24.2	7.9	27.0	6.5	89.8	1.1	2.7				
			2	24.1	7.9	27.1	6.5	90.2	1.9	2.7									
			2	24.1	7.9	27.1	6.7	93.0	1.9	3.0									
	TCE-WQM2a	Rainy	Calm	10:48	6.4	Surface	1.0	1	24.2	7.8	26.4	6.2	86.0	3.9	3.5	6.1	4.5	4.0	
								2	24.2	7.8	26.4	6.2	86.0	3.9	3.3				
						Middle	3.2	1	24.0	7.8	29.0	6.0	84.8	4.7	4.0				
						Bottom	5.4	1	24.0	7.8	29.1	6.0	84.7	4.7	3.8				
			2	24.0	7.8	29.6	6.0	84.2	5.0	4.8									
			2	24.0	7.8	29.7	6.0	84.2	5.1	4.4									
TCE-WQM2b	Rainy	Calm	10:37	10.8	Surface	1.0	1	24.2	7.8	27.9	6.2	87.1	1.8	3.5	6.2	2.4	3.2		
							2	24.1	7.8	28.1	6.2	87.0	1.9	3.9					
					Middle	5.4	1	24.1	7.8	28.6	6.2	87.0	2.4	3.3					
					Bottom	9.8	1	24.1	7.8	28.6	6.2	87.1	2.5	3.0					
		2	24.1	7.8	28.7	6.3	88.0	3.0	2.8										
		2	24.1	7.8	28.6	6.5	91.2	3.0	2.5										
TCE-WQM3A	Rainy	Calm	10:58	4.4	Surface	1.0	1	24.2	7.8	26.8	6.5	90.7	1.9	3.6	6.5	2.0	3.2		
							2	24.2	7.8	26.9	6.5	90.8	2.0	3.2					
					Bottom	3.4	1	24.2	7.8	27.2	6.6	91.4	2.1	2.8					
							2	24.2	7.8	27.0	6.6	91.5	2.0	3.0					
TCE-WQM4	Rainy	Calm	11:07	4.0	Surface	1.0	1	24.2	7.9	26.3	6.8	93.8	1.5	2.4	6.8	1.6	2.7		
							2	24.2	7.9	26.3	6.8	93.9	1.6	2.2					
					Bottom	3.0	1	24.2	7.9	26.7	7.0	96.7	1.7	2.8					
							2	24.2	7.9	26.5	7.0	97.5	1.7	3.3					
2023-05-17	Mid-Flood	TCE-C1	Rainy	Calm	16:06	8.6	Surface	1.0	1	24.2	7.9	28.0	6.3	87.6	1.8	4.2	6.2	2.5	5.3
									2	24.2	7.9	28.1	6.3	87.5	1.8	3.8			
							Middle	4.3	1	24.1	7.9	28.9	6.2	87.1	2.4	5.4			
							Bottom	7.6	1	24.1	7.9	28.9	6.2	87.4	2.4	5.8			
				2	24.1	7.9	28.9	6.4	89.4	3.2	6.6								
				2	24.2	7.9	28.8	6.4	89.8	3.2	6.1								
		TCE-C2	Rainy	Calm	17:28	13.6	Surface	1.0	1	24.0	7.9	29.4	6.2	87.0	3.5	8.5	6.2	4.3	7.5
									2	24.0	7.9	29.6	6.2	86.9	3.5	8.0			
							Middle	6.8	1	23.9	7.9	30.0	6.2	87.1	4.2	7.2			
							Bottom	12.6	1	23.9	7.9	30.0	6.3	88.0	4.2	7.6			
				2	23.6	7.9	30.2	6.5	91.7	5.2	7.0								
				2	23.5	7.9	30.2	6.6	92.5	5.2	6.6								
	TCE-WQM1	Rainy	Calm	16:34	9.2	Surface	1.0	1	24.2	7.9	26.3	6.6	91.6	1.9	2.9	6.6	2.1	3.4	
								2	24.2	7.9	26.4	6.6	91.5	2.0	2.7				
						Middle	4.6	1	24.3	7.9	26.6	6.7	92.3	2.2	3.2				
						Bottom	8.2	1	24.3	7.9	26.6	6.7	92.5	2.2	3.5				
			2	24.1	7.9	26.6	6.7	93.4	2.2	3.8									
			2	24.1	7.9	26.7	6.8	93.7	2.2	4.3									
	TCE-WQM2a	Rainy	Calm	16:56	7.6	Surface	1.0	1	24.3	7.9	27.0	6.4	89.8	1.1	4.8	6.5	1.2	5.9	
								2	24.3	7.9	27.0	6.4	89.8	1.1	5.2				
						Middle	3.8	1	24.3	7.9	27.0	6.5	90.9	1.1	6.0				
						Bottom	6.6	1	24.3	7.9	26.9	6.6	91.2	1.1	5.6				
			2	24.3	7.9	26.5	6.6	92.1	1.4	7.1									
			2	24.3	7.9	26.4	6.6	92.3	1.4	6.5									
TCE-WQM2b	Rainy	Calm	17:08	10.8	Surface	1.0	1	24.2	7.9	27.3	6.5	90.3	1.1	3.8	6.5	1.5	3.2		
							2	24.2	7.9	27.4	6.5	90.6	1.1	3.6					
					Middle	5.4	1	24.2	7.9	27.5	6.6	91.8	1.2	3.1					
					Bottom	9.8	1	24.2	7.9	27.5	6.6	92.0	1.2	3.4					
		2	24.2	7.9	27.6	6.7	93.2	2.3	2.8										
		2	24.2	7.9	27.6	6.7	93.7	2.2	2.6										
TCE-WQM3A	Rainy	Calm	16:50	4.6	Surface	1.0	1	24.3	7.9	26.7	6.7	93.4	1.7	3.1	6.7	1.9	4.6		
							2	24.3	7.9	26.8	6.7	93.5	1.7	3.4					
					Bottom	3.6	1	24.3	7.9	26.9	6.9	95.9	2.1	5.7					
							2	24.3	7.9	27.0	6.9	96.4	2.1	6.0					
TCE-WQM4	Rainy	Calm	16:44	4.0	Surface	1.0	1	24.0	7.9	26.7	6.7	93.1	2.3	7.4	6.7	2.5	6.6		
							2	24.0	7.9	26.8	6.8	93.3	2.3	6.8					
					Bottom	3.0	1	23.6	7.9	27.1	7.2	98.8	2.7	6.4					
							2	23.5	7.9	27.1	7.2	99.0	2.7	5.9					

Date	Tide	Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Water Level	Sampling depth (m)	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	Dissolved Oxygen (DO) (mg/L)	DO Saturation (%)	Turbidity (NTU)	Suspended Solids (SS) (mg/L)	Depth-averaged		
																	DO (mg/L)	Turbidity (NTU)	SS (mg/L)
2023-05-19	Mid-Ebb	TCE-C1	Misty	Calm	12:29	8.2	Surface	1.0	1	25.7	7.8	25.6	7.1	100.1	5.0	2.5	7.0	5.3	2.3
									2	25.7	7.8	25.6	7.0	99.8	5.2	2.4			
							Middle	4.1	1	25.8	7.8	25.6	7.0	99.4	5.3	1.6			
							Bottom	7.2	1	25.9	7.8	25.6	7.0	99.3	5.3	1.9			
				2	25.9	7.8	25.5	7.0	99.3	5.4	2.6								
				2	26.1	7.8	25.5	7.0	99.3	5.4	2.9								
		TCE-C2	Misty	Calm	11:12	14.4	Surface	1.0	1	24.7	7.8	25.2	6.6	91.4	3.4	2.5	6.3	4.1	2.5
									2	24.6	7.8	25.3	6.5	90.4	3.6	2.0			
							Middle	7.2	1	24.3	7.7	27.4	6.0	84.0	4.4	3.1			
							Bottom	13.4	1	24.3	7.7	27.3	6.0	84.1	4.5	2.8			
				2	24.4	7.7	26.1	6.2	86.4	4.5	2.7								
				2	24.4	7.7	25.8	6.3	86.7	4.4	2.1								
	TCE-WQM1	Misty	Calm	12:10	8.0	Surface	1.0	1	25.7	7.8	25.6	7.1	100.2	6.6	2.1	7.0	7.8	2.7	
								2	25.7	7.8	25.6	7.1	99.9	6.7	2.9				
						Middle	4.0	1	25.6	7.8	25.6	7.0	98.8	7.7	2.4				
						Bottom	7.0	1	25.7	7.8	25.6	7.0	98.7	7.9	2.6				
			2	26.0	7.8	25.4	6.9	98.2	8.9	2.8									
			2	26.1	7.8	25.4	6.9	98.2	8.8	3.1									
	TCE-WQM2a	Misty	Calm	11:43	7.4	Surface	1.0	1	24.9	7.8	26.8	6.2	87.6	2.9	3.0	6.2	4.2	2.4	
								2	24.9	7.8	26.8	6.2	87.6	2.9	2.4				
						Middle	3.7	1	24.8	7.8	27.4	6.2	87.7	4.4	1.8				
						Bottom	6.4	1	24.8	7.8	27.4	6.3	88.1	4.5	1.8				
			2	24.7	7.8	27.5	6.4	90.2	4.9	2.9									
			2	24.7	7.8	27.5	6.4	90.6	5.4	2.4									
	TCE-WQM2b	Misty	Calm	11:38	10.4	Surface	1.0	1	25.3	7.8	26.0	6.4	89.9	2.9	2.6	6.2	3.8	2.6	
								2	25.3	7.8	26.0	6.4	89.7	3.0	2.9				
						Middle	5.2	1	24.8	7.8	27.3	6.1	85.9	5.1	2.2				
						Bottom	9.4	1	24.8	7.8	27.3	6.1	85.8	5.2	3.0				
			2	24.7	7.8	27.4	6.1	85.7	3.2	2.7									
			2	24.7	7.7	27.4	6.1	86.0	3.1	2.4									
	TCE-WQM3A	Misty	Calm	11:52	4.8	Surface	1.0	1	25.7	7.8	25.1	6.7	94.4	1.8	2.9	6.7	1.9	2.2	
								2	25.7	7.8	25.1	6.7	94.2	1.9	2.1				
						Bottom	3.8	1	26.1	7.8	24.9	6.6	94.2	2.1	1.7				
			2	26.2	7.8	24.8	6.6	94.4	1.9	2.2									
	TCE-WQM4	Misty	Calm	12:01	4.2	Surface	1.0	1	25.8	7.8	25.6	6.6	93.2	3.7	2.5	6.6	4.9	2.4	
								2	25.8	7.7	25.6	6.6	93.0	4.0	1.9				
Bottom						3.2	1	26.1	7.7	25.4	6.6	93.4	5.9	2.2					
		2	26.2	7.7	25.4	6.6	94.2	6.0	2.9										
2023-05-19	Mid-Flood	TCE-C1	Misty	Calm	18:04	8.4	Surface	1.0	1	25.7	7.8	25.5	7.1	100.4	4.1	2.4	6.9	4.5	2.2
									2	25.6	7.8	25.5	7.1	99.9	4.0	2.6			
							Middle	4.2	1	25.6	7.8	25.5	6.7	95.1	4.3	1.7			
							Bottom	7.4	1	25.6	7.8	25.5	6.7	94.5	4.6	2.0			
				2	25.7	7.7	25.5	6.6	94.0	5.1	1.7								
				2	25.7	7.7	25.5	6.8	96.1	5.2	2.5								
		TCE-C2	Misty	Calm	19:26	13.2	Surface	1.0	1	25.3	7.9	26.1	6.5	91.0	3.9	2.9	6.5	6.5	2.6
									2	25.2	7.9	26.2	6.5	91.0	3.9	3.4			
							Middle	6.6	1	25.2	7.9	26.2	6.5	92.0	3.6	2.3			
							Bottom	12.2	1	25.2	7.9	26.3	6.5	92.1	3.5	1.9			
				2	25.2	7.9	26.2	6.6	92.5	11.8	2.1								
				2	25.2	7.9	26.1	6.6	93.2	12.1	2.7								
		TCE-WQM1	Misty	Calm	18:32	7.2	Surface	1.0	1	25.8	7.8	25.7	6.9	98.5	4.9	2.0	6.9	4.9	2.5
									2	25.8	7.8	25.7	6.9	98.4	4.9	2.0			
							Middle	3.6	1	25.8	7.8	25.7	6.9	98.2	4.8	3.0			
							Bottom	6.2	1	25.8	7.8	25.7	6.9	98.4	4.9	2.5			
				2	25.8	7.8	25.7	7.0	98.7	5.1	3.0								
				2	25.8	7.8	25.7	7.0	98.7	5.1	2.3								
		TCE-WQM2a	Misty	Calm	18:54	7.8	Surface	1.0	1	25.2	7.8	26.4	6.3	89.2	3.2	3.1	6.3	5.8	3.0
									2	25.2	7.8	26.4	6.3	89.2	3.2	3.0			
							Middle	3.9	1	24.9	7.7	27.2	6.3	89.0	3.8	2.8			
							Bottom	6.8	1	24.8	7.7	27.3	6.3	89.1	4.2	2.7			
				2	24.8	7.7	27.5	6.4	89.5	10.2	3.0								
				2	24.8	7.7	27.5	6.4	90.1	10.2	3.2								
		TCE-WQM2b	Misty	Calm	19:06	9.4	Surface	1.0	1	25.2	7.8	26.2	6.4	89.9	3.4	2.3	6.4	3.9	2.2
									2	25.1	7.8	26.4	6.4	89.9	3.5	1.8			
							Middle	4.7	1	25.0	7.8	26.8	6.4	90.0	3.9	2.1			
							Bottom	8.4	1	24.9	7.8	26.9	6.4	90.1	4.1	1.9			
				2	24.9	7.8	26.9	6.5	91.2	4.2	2.6								
				2	24.9	7.8	26.9	6.5	92.0	4.2	2.5								
		TCE-WQM3A	Misty	Calm	18:48	4.0	Surface	1.0	1	25.9	7.8	25.7	6.9	98.5	12.2	3.2	6.9	11.7	2.3
									2	25.9	7.8	25.7	6.9	98.4	12.1	2.2			
							Bottom	3.0	1	25.9	7.7	25.7	6.9	98.2	11.5	2.1			
				2	25.9	7.7	25.7	6.9	98.4	11.2	1.6								
		TCE-WQM4	Misty	Calm	18:42	4.2	Surface	1.0	1	25.8	7.8	25.7	6.8	96.2	6.6	2.0	6.8	6.6	2.2
									2	25.9	7.8	25.6	6.7	95.9	7.5	1.8			
Bottom	3.2						1	26.3	7.8	25.5	6.7	96.0	6.3	2.8					
		2	26.4	7.8	25.4	6.7	96.3	6.1	2.1										

Date	Tide	Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Water Level	Sampling depth (m)	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	Dissolved Oxygen (DO) (mg/L)	DO Saturation (%)	Turbidity (NTU)	Suspended Solids (SS) (mg/L)	Depth-averaged		
																	DO (mg/L)	Turbidity (NTU)	SS (mg/L)
2023-05-22	Mid-Ebb	TCE-C1	Sunny	Moderate	13:02	8.2	Surface	1.0	1	26.9	8.0	25.4	7.3	106.6	2.9	2.5	7.2	2.9	2.8
									2	26.9	8.0	25.4	7.3	106.6	2.9	3.0			
							Middle	4.1	1	26.9	8.0	25.4	7.1	103.8	3.0	2.8			
							Bottom	7.2	1	26.9	8.0	25.4	7.1	103.7	3.0	3.2			
						2	26.9	8.0	25.4	7.1	101.9	2.8	2.2	7.1					
						2	26.9	8.0	25.4	7.1	101.9	2.8	3.2						
		TCE-C2	Sunny	Moderate	15:09	12.8	Surface	1.0	1	27.0	8.1	24.4	8.5	121.9	1.1	2.2	8.0	1.7	2.7
						2	26.9	8.1	24.5	8.5	121.9	1.1	2.1						
	Middle	6.4	1	26.1	8.1	26.2	7.5	107.0	1.5	2.5									
	Bottom	11.8	1	26.1	8.1	26.2	7.5	107.1	1.5	2.8									
					2	25.3	8.0	28.5	6.4	91.6	2.5	3.1	6.4						
					2	25.4	8.0	28.5	6.4	91.7	2.5	3.5							
	TCE-WQM1	Sunny	Calm	13:51	9.1	Surface	1.0	1	27.5	8.1	25.5	9.1	134.3	1.6	2.9	9.1	2.2	2.6	
					2	27.6	8.1	25.5	9.1	134.1	1.6	3.2							
	Middle	4.6	1	27.4	8.2	25.7	9.1	133.2	1.8	2.7									
	Bottom	8.1	1	27.3	8.2	25.8	9.1	133.1	1.8	2.4									
					2	27.2	8.0	25.9	8.2	119.4	3.1	2.2	8.2						
					2	27.2	8.0	25.9	8.2	119.3	3.2	2.4							
	TCE-WQM2a	Sunny	Calm	14:26	6.9	Surface	1.0	1	26.7	8.0	25.4	7.5	108.3	1.4	1.7	7.2	2.2	2.2	
					2	26.7	8.0	25.4	7.5	108.3	1.4	1.8							
	Middle	3.5	1	26.0	8.0	26.6	7.0	99.8	1.4	2.3									
	Bottom	5.9	1	26.0	8.0	26.6	7.0	99.7	1.4	2.1									
					2	25.5	8.0	27.9	6.5	92.4	3.9	2.4	6.5						
					2	25.5	8.0	27.9	6.5	92.5	3.9	2.7							
TCE-WQM2b	Sunny	Moderate	14:41	9.7	Surface	1.0	1	26.3	8.0	26.0	7.0	99.9	1.6	1.5	6.8	2.4	2.1		
				2	26.2	8.0	26.1	7.0	99.8	1.7	1.8								
Middle	4.9	1	25.9	8.0	26.8	6.6	94.1	2.4	2.4										
Bottom	8.7	1	25.9	8.0	26.7	6.6	94.4	2.4	2.1										
				2	25.6	8.0	27.5	6.4	91.4	3.1	2.4	6.4							
				2	25.6	8.0	27.6	6.4	91.5	3.1	2.6								
TCE-WQM3A	Sunny	Calm	14:15	4.4	Surface	1.0	1	26.0	8.0	26.5	7.0	100.0	1.6	2.2	7.0	1.7	2.5		
				2	26.0	8.0	26.7	7.0	99.9	1.6	2.1								
Bottom	3.4	1	25.6	8.0	27.8	6.5	93.4	1.8	3.0										
				2	25.6	8.0	27.8	6.5	93.3	1.8	2.8	6.5							
TCE-WQM4	Sunny	Calm	14:02	3.9	0.5	1.0	1	27.2	8.1	25.6	9.2	133.9	3.4	2.2	9.3	5.0	2.6		
				3.2		2	27.0	8.1	25.8	9.3	135.1	3.4	2.4						
Bottom	2.9	1	26.9	8.1	25.9	8.5	123.7	6.5	2.8										
				2	26.9	8.1	25.9	8.5	123.7	6.6	3.0	8.5							
2023-05-22	Mid-Flood	TCE-C1	Fine	Moderate	8:01	8.9	Surface	1.0	1	26.6	8.0	25.4	7.1	102.0	2.8	2.2	7.1	3.7	2.8
									2	26.6	8.0	25.4	7.1	102.0	2.8	2.5			
							Middle	4.5	1	26.6	8.0	25.4	7.1	101.6	3.7	2.9			
							Bottom	7.9	1	26.6	8.0	25.4	7.1	101.6	3.7	2.7			
						2	26.6	8.0	25.4	7.0	101.1	4.7	3.0	7.0					
						2	26.6	8.0	25.4	7.0	101.1	4.7	3.2						
		TCE-C2	Fine	Moderate	6:01	13.4	Surface	1.0	1	26.3	7.9	25.2	7.2	102.6	1.7	2.1	6.6	2.4	2.8
						2	26.3	7.9	25.2	7.1	100.6	1.7	2.4						
		Middle	6.7	1	25.0	7.9	28.8	6.0	85.9	2.9	2.6								
		Bottom	12.4	1	25.0	7.9	28.8	6.0	85.8	2.9	2.8								
						2	25.0	7.9	28.6	6.0	84.9	2.5	3.3	6.0					
						2	25.0	7.9	28.6	6.0	84.9	2.5	3.7						
		TCE-WQM1	Fine	Calm	7:11	9.4	Surface	1.0	1	26.4	7.9	25.3	7.5	106.8	1.6	2.6	7.2	2.7	3.4
						2	26.3	7.9	25.5	7.4	106.4	1.6	2.9						
		Middle	4.7	1	26.1	7.9	26.4	6.9	98.5	2.9	3.5								
		Bottom	8.4	1	26.1	7.9	26.3	6.9	98.5	2.9	3.3								
						2	25.8	7.9	27.0	6.8	97.6	3.6	3.9	6.8					
						2	25.8	7.9	27.0	6.8	97.6	3.6	4.3						
		TCE-WQM2a	Fine	Moderate	6:34	7.6	Surface	1.0	1	26.6	8.0	25.0	7.3	103.9	1.4	2.8	7.2	1.9	2.2
						2	26.6	8.0	25.0	7.3	103.9	1.4	2.5						
		Middle	3.8	1	26.0	8.0	25.5	7.1	101.4	1.7	2.1								
		Bottom	6.6	1	25.9	8.0	25.5	7.1	101.1	1.9	2.3								
						2	25.5	8.0	27.9	6.4	91.1	2.4	1.6	6.4					
						2	25.5	8.0	27.9	6.4	91.2	2.4	1.8						
TCE-WQM2b	Fine	Moderate	6:21	9.7	Surface	1.0	1	26.6	7.9	25.0	7.3	104.5	1.2	2.9	6.7	2.3	2.2		
				2	26.6	7.9	25.0	7.3	104.1	1.2	2.5								
Middle	4.9	1	25.1	7.9	28.9	6.1	87.4	3.7	2.1										
Bottom	8.7	1	25.1	7.9	28.9	6.1	87.5	3.7	2.3										
				2	25.0	7.9	29.1	6.1	87.6	2.1	1.5	6.1							
				2	25.0	7.9	29.1	6.1	87.7	2.1	1.8								
TCE-WQM3A	Fine	Calm	6:47	5.2	Surface	1.0	1	26.7	8.0	24.9	7.5	106.9	2.9	2.2	7.4	3.6	2.8		
				2	26.7	8.0	24.9	7.4	106.8	2.9	2.6								
Bottom	4.2	1	26.4	8.0	25.4	7.4	105.3	4.2	3.0										
				2	26.4	8.0	25.4	7.4	105.3	4.3	3.4	7.4							
TCE-WQM4	Fine	Calm	6:56	4.8	Surface	1.0	1	26.0	7.9	26.5	6.8	97.1	1.2	2.1	6.8	1.3	2.5		
				2	25.9	7.9	26.6	6.8	96.7	1.2	2.4								
Bottom	3.8	1	25.6	7.9	27.6	6.6	94.9	1.4	2.6										
				2	25.6	7.9	27.5	6.6	94.8	1.4	3.0	6.6							

Date	Tide	Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Water Level	Sampling depth (m)	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	Dissolved Oxygen (DO) (mg/L)	DO Saturation (%)	Turbidity (NTU)	Suspended Solids (SS) (mg/L)	Depth-averaged		
																	DO (mg/L)	Turbidity (NTU)	SS (mg/L)
2023-05-24	Mid-Ebb	TCE-C1	Misty	Calm	14:19	8.2	Surface	1.0	1	25.5	8.1	29.3	6.1	87.8	1.5	3.2	6.1	2.5	2.9
									2	25.5	8.1	29.3	6.1	87.5	1.5	3.5			
							Middle	4.1	1	25.6	8.1	29.4	6.1	87.8	2.4	3.0			
							Bottom	7.2	1	25.7	8.1	29.4	6.1	88.2	2.5	2.7			
				2	25.7	8.1	29.3	6.1	89.1	3.7	2.5								
				2	25.7	8.1	29.3	6.1	89.4	3.7	2.3								
		TCE-C2	Misty	Calm	15:41	13.2	Surface	1.0	1	25.9	8.1	27.9	7.5	108.6	1.0	3.0	7.2	1.3	2.5
									2	25.8	8.1	28.1	7.5	107.3	1.1	3.4			
							Middle	6.6	1	25.8	8.1	28.6	6.9	99.3	1.2	2.8			
							Bottom	12.2	1	25.8	8.1	28.7	6.9	99.0	1.3	2.3			
				2	25.9	8.1	28.9	6.8	99.0	1.5	1.9								
				2	25.9	8.1	28.8	6.9	99.2	1.5	1.6								
	TCE-WQM1	Misty	Calm	14:47	7.8	Surface	1.0	1	26.2	8.1	25.1	6.8	97.0	2.8	3.0	6.5	3.5	3.6	
								2	26.2	8.1	25.1	6.7	95.5	2.9	2.6				
						Middle	3.9	1	26.2	8.1	27.5	6.2	89.7	3.1	3.5				
						Bottom	6.8	1	26.3	8.1	27.7	6.2	89.4	3.2	3.9				
			2	26.5	8.1	27.9	6.2	90.2	4.6	4.2									
			2	26.6	8.1	27.8	6.3	92.1	4.7	4.5									
	TCE-WQM2a	Misty	Calm	15:09	7.2	Surface	1.0	1	26.2	8.1	25.6	7.1	100.8	1.0	4.0	6.7	1.2	3.1	
								2	26.2	8.1	25.6	7.1	100.8	1.0	4.3				
						Middle	3.6	1	26.1	8.1	26.2	6.4	91.8	1.1	3.2				
						Bottom	6.2	1	26.0	8.1	26.3	6.4	91.4	1.1	2.8				
			2	26.1	8.1	28.4	6.4	92.9	1.6	2.0									
			2	26.1	8.1	28.3	6.5	94.1	1.5	2.5									
TCE-WQM2b	Misty	Calm	15:21	7.8	Surface	1.0	1	26.7	8.1	25.8	7.7	110.6	1.5	1.9	7.4	2.1	1.6		
							2	26.6	8.1	25.9	7.7	110.4	1.6	1.9					
					Middle	3.9	1	26.3	8.1	26.4	7.0	101.3	2.1	1.7					
					Bottom	6.8	1	26.2	8.1	26.6	7.1	101.9	2.0	1.5					
		2	26.2	8.1	26.9	7.1	102.0	2.8	1.2										
		2	26.2	8.1	26.8	7.1	102.1	2.7	1.4										
TCE-WQM3A	Misty	Calm	15:03	3.6	Surface	1.0	1	26.9	8.1	24.5	7.3	105.4	1.1	3.5	7.3	1.8	4.0		
							2	26.9	8.1	24.5	7.3	105.2	1.2	3.1					
					Bottom	2.6	1	26.9	8.1	24.5	7.3	105.1	2.4	4.9					
							2	26.9	8.1	24.5	7.3	105.0	2.4	4.5					
TCE-WQM4	Misty	Calm	14:57	4.4	Surface	1.0	1	26.8	8.1	24.7	7.3	104.4	1.0	4.0	7.3	2.2	3.8		
							2	26.8	8.1	24.8	7.3	104.2	1.1	4.3					
					Bottom	3.4	1	26.6	8.1	25.8	6.8	98.4	3.4	3.3					
							2	26.6	8.1	25.7	6.8	98.5	3.5	3.7					
2023-05-24	Mid-Flood	TCE-C1	Misty	Calm	9:21	8.2	Surface	1.0	1	25.6	8.1	29.1	6.3	92.1	2.6	1.4	6.4	3.3	1.6
									2	25.6	8.1	29.2	6.4	92.0	2.6	1.3			
							Middle	4.1	1	25.9	8.1	29.1	6.4	92.0	3.2	1.5			
							Bottom	7.2	1	26.0	8.1	29.0	6.3	92.1	3.2	1.7			
				2	26.2	8.1	29.0	6.2	90.4	4.1	1.8								
				2	26.4	8.1	28.8	6.2	90.3	4.2	1.7								
		TCE-C2	Misty	Calm	8:04	14.0	Surface	1.0	1	25.6	7.9	28.9	6.5	94.0	1.0	2.8	6.3	1.5	2.3
									2	25.5	7.9	29.1	6.5	93.4	1.1	3.0			
							Middle	7.0	1	25.3	7.9	30.0	6.0	86.6	1.3	2.2			
							Bottom	13.0	1	25.2	7.9	30.1	6.0	86.5	1.4	2.5			
				2	25.3	7.9	29.9	6.0	87.1	2.1	1.6								
				2	25.4	7.9	29.7	6.1	87.4	2.2	1.9								
	TCE-WQM1	Misty	Calm	9:02	8.0	Surface	1.0	1	26.3	8.1	25.9	6.7	96.6	1.6	1.8	6.6	2.0	2.3	
								2	26.2	8.1	26.0	6.6	94.0	1.6	1.5				
						Middle	4.0	1	26.1	8.1	26.3	6.5	93.2	1.9	2.2				
						Bottom	7.0	1	26.0	8.1	26.6	6.5	93.0	2.0	2.5				
			2	25.9	8.1	27.1	6.6	93.9	2.3	2.7									
			2	25.9	8.1	27.1	6.6	95.0	2.3	3.0									
	TCE-WQM2a	Misty	Calm	8:35	7.6	Surface	1.0	1	25.9	8.0	25.8	6.4	91.0	1.0	3.3	6.3	2.1	2.3	
								2	25.9	8.0	25.8	6.4	91.0	1.0	2.9				
						Middle	3.8	1	25.7	8.1	28.6	6.1	88.3	2.1	2.1				
						Bottom	6.6	1	25.7	8.1	28.6	6.2	88.6	2.2	2.4				
			2	25.7	8.1	28.6	6.3	90.2	3.0	1.8									
			2	25.7	8.1	28.5	6.3	91.3	3.1	1.4									
TCE-WQM2b	Misty	Calm	8:30	10.2	Surface	1.0	1	26.0	8.1	26.0	6.9	98.0	1.4	2.7	6.6	2.1	2.2		
							2	26.0	8.1	26.0	6.8	96.5	1.5	2.5					
					Middle	5.1	1	26.0	8.1	28.4	6.4	92.2	1.9	2.1					
					Bottom	9.2	1	26.1	8.1	28.4	6.4	92.6	1.8	2.4					
		2	26.2	8.1	28.4	6.5	94.2	2.9	1.6										
		2	26.3	8.1	28.2	6.6	95.5	2.9	1.8										
TCE-WQM3A	Misty	Calm	8:44	4.8	Surface	1.0	1	26.6	8.1	24.3	7.1	101.6	1.1	2.2	7.1	1.1	3.2		
							2	26.6	8.1	24.3	7.1	101.8	1.0	2.4					
					Bottom	3.8	1	26.7	8.1	23.5	7.1	101.9	1.2	4.2					
							2	26.7	8.1	24.1	7.1	101.3	1.2	3.9					
TCE-WQM4	Misty	Calm	8:53	4.4	Surface	1.0	1	26.6	8.1	24.6	7.0	100.2	4.2	1.5	7.0	4.6	1.6		
							2	26.6	8.1	24.6	7.0	100.3	4.1	1.7					
					Bottom	3.4	1	26.6	8.1	24.6	7.0	100.7	5.0	1.6					
							2	26.6	8.1	24.4	7.1	100.9	5.0	1.7					

Date	Tide	Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Water Level	Sampling depth (m)	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	Dissolved Oxygen (DO) (mg/L)	DO Saturation (%)	Turbidity (NTU)	Suspended Solids (SS) (mg/L)	Depth-averaged					
																	DO (mg/L)	Turbidity (NTU)	SS (mg/L)			
2023-05-29	Mid-Ebb	TCE-C1	Sunny	Moderate	10:04	7.3	Surface	1.0	2	20.2	8.3	23.9	9.1	116.7	2.1	2.6	8.5	3.4	2.1			
							3.7	1	20.2	8.3	24.1	8.3	105.8	3.3	2.1							
							Middle	3.7	2	20.2	8.3	24.1	8.3	105.8	3.4					2.5		
							6.3	1	20.2	8.3	24.1	8.2	104.8	4.9	1.3							
		Bottom	1.0	1	20.2	8.3	23.9	9.1	116.7	2.0	2.9											
		6.3	2	20.2	8.3	24.1	8.2	104.7	4.9	1.4												
		TCE-C2	1.0	2	19.8	8.2	25.1	8.5	107.9	5.1	2.7											
		6.4	1	19.8	8.2	25.2	8.4	106.9	6.1	2.4												
	TCE-C2	Sunny	Moderate	7:56	12.7	12.7	Middle	6.4	2	19.8	8.2	25.2	8.4	106.8	6.2	2.1	8.4	6.4	2.2			
							11.7	1	19.8	8.2	25.2	8.3	106.1	8.1	1.6							
							Bottom	1.0	1	19.8	8.2	25.1	8.5	107.9	5.0	2.4						
							11.7	2	19.8	8.2	25.2	8.3	106.1	8.2	1.9							
	TCE-WQM1	Sunny	Calm	9:10	8.1	8.1	Surface	1.0	2	20.4	8.3	23.1	8.8	112.5	2.4	3.7	8.3			5.6	3.1	
							4.1	1	20.0	8.2	24.4	8.2	104.4	6.4	3.0							
							Middle	4.1	2	20.0	8.2	24.4	8.2	104.4	6.4	3.3						
							7.1	1	19.8	8.2	25.3	8.0	101.8	8.1	2.4							
	Bottom	1.0	1	20.4	8.3	23.1	8.8	112.5	2.4	3.5												
	7.1	2	19.8	8.2	25.4	8.0	101.7	8.1	2.8													
	TCE-WQM2a	Sunny	Calm	8:32	6.4	6.4	Surface	1.0	2	19.7	8.3	25.5	8.5	108.9	2.0	3.8	8.1	3.6	2.9			
							3.2	1	19.6	8.2	25.7	8.1	102.7	3.5	2.7							
							Middle	3.2	2	19.6	8.2	25.7	8.1	102.7	3.6	3.0						
							5.4	1	19.6	8.2	25.9	7.9	100.4	5.3	2.3							
	Bottom	1.0	1	19.7	8.3	25.5	8.5	108.9	2.0	3.4												
	5.4	2	19.6	8.2	25.9	7.9	100.3	5.4	2.1													
	TCE-WQM2b	Sunny	Moderate	8:21	9.7	9.7	Surface	1.0	2	19.6	8.2	25.0	8.6	108.8	3.2	2.8	8.1			4.5	2.6	
							4.9	1	19.1	8.2	27.1	8.1	102.8	4.1	2.6							
							Middle	4.9	2	19.1	8.2	27.1	8.1	102.8	4.1	2.4						
							8.7	1	19.1	8.3	27.6	7.8	100.3	6.2	2.4							
Bottom	1.0	1	19.6	8.3	25.0	8.6	108.7	3.1	3.2													
8.7	2	19.1	8.3	27.6	7.8	99.9	6.3	2.2														
TCE-WQM3A	Sunny	Calm	8:44	4.1	4.1	Surface	1.0	1	19.7	8.2	25.5	8.8	112.6	8.4	1.9	8.8	9.0	2.2				
						2	19.7	8.2	25.5	8.8	112.6	8.4	1.6									
						Bottom	3.1	1	19.6	8.2	26.0	7.9	100.9	9.5	2.6							
						2	19.6	8.2	26.0	7.9	100.9	9.6	2.7									
TCE-WQM4	Sunny	Calm	8:57	3.8	3.8	Surface	1.0	1	19.9	8.2	24.8	9.3	118.4	3.0	1.9	9.3			4.2	2.1		
						2	19.9	8.2	24.7	9.3	118.4	3.0	1.6									
						Bottom	2.8	1	19.8	8.2	25.2	7.9	101.2	5.4	2.2							
						2	19.8	8.2	25.2	7.9	101.2	5.5	2.6									
2023-05-29	Mid-Flood	TCE-C1	Sunny	Moderate	12:42	7.9	Surface	1.0	1	28.9	8.4	23.8	9.8	145.6	4.1	2.8	9.2	5.1			3.7	
							2	28.9	8.4	23.8	9.8	145.8	4.1	3.2								
							Middle	4.0	1	28.4	8.4	24.9	8.5	126.6	5.3	3.5						
							2	28.5	8.3	24.8	8.5	126.6	5.3	3.9								
							Bottom	6.9	1	28.2	8.3	25.5	7.9	117.4	6.1	4.2						
							2	28.2	8.3	25.5	7.9	117.4	6.1	4.5								
							TCE-C2	1.0	1	29.1	8.6	25.2	11.1	167.8	2.7	4.2						
							2	29.1	8.6	25.2	11.1	167.8	2.7	3.9								
		TCE-C2	Sunny	Calm	14:32	13.6	13.6	Middle	6.8	1	28.4	8.4	25.5	9.9	147.1	3.9	3.8	10.5	3.7	3.6		
								2	28.4	8.4	25.5	9.9	147.0	3.9	3.5							
								Bottom	12.6	1	28.3	8.3	25.6	9.0	134.2	4.4	3.0					
								2	28.3	8.3	25.6	9.0	134.2	4.4	3.2							
		TCE-WQM1	Sunny	Calm	13:17	8.8	8.8	Surface	1.0	1	29.0	8.5	23.3	10.7	158.9	2.1	3.3	10.3			4.9	3.8
								2	29.0	8.5	23.3	10.7	158.9	2.1	3.0							
								Middle	4.4	1	28.7	8.5	24.0	10.0	148.0	5.4	4.0					
								2	28.7	8.5	24.0	10.0	148.0	5.4	3.6							
		Bottom	7.8	1	28.7	8.3	24.5	8.6	128.4	7.1	4.2											
		2	28.7	8.3	24.5	8.6	128.8	7.1	4.4													
		TCE-WQM2a	Sunny	Calm	13:54	6.8	6.8	Surface	1.0	1	29.1	8.6	25.4	10.9	164.8	2.1	2.1	10.5	4.2	2.4		
								2	29.1	8.6	25.4	10.9	164.8	2.1	2.2							
								Middle	3.4	1	28.1	8.5	25.9	10.1	149.1	3.9	2.1					
								2	28.1	8.5	25.9	10.0	149.1	4.0	2.4							
		Bottom	5.8	1	28.0	8.5	26.1	9.7	144.7	6.4	2.6											
		2	28.0	8.5	26.1	9.8	144.8	6.4	2.9													
		TCE-WQM2b	Sunny	Calm	14:07	10.7	10.7	Surface	1.0	1	29.0	8.7	25.4	11.2	169.0	4.1	2.8	10.6			5.6	2.4
								2	29.0	8.7	25.4	11.2	169.0	4.1	2.6							
								Middle	5.4	1	28.1	8.5	25.9	10.0	147.9	5.3	2.4					
								2	28.1	8.5	25.9	10.0	147.9	5.4	2.5							
Bottom	9.7	1	27.9	8.3	26.1	8.9	132.0	7.5	2.0													
2	27.9	8.3	26.1	8.9	132.0	7.5	2.3															
TCE-WQM3A	Sunny	Calm	13:42	4.9	4.9	Surface	1.0	1	28.7	8.7	23.9	11.2	165.9	1.2	1.6	11.2	2.4	2.0				
						2	28.7	8.7	23.9	11.2	165.9	1.2	1.8									
						Bottom	3.9	1	28.7	8.5	26.2	9.9	148.6	3.7	2.4							
						2	28.7	8.5	26.2	9.9	148.6	3.7	2.1									
TCE-WQM4	Sunny	Calm	13:31	4.5	4.5	Surface	1.0	1	29.0	8.6	23.3	10.9	162.1	1.2	1.8	10.9			2.5	2.1		
						2	29.0	8.6	23.3	10.9	162.4	1.2	1.9									
						Bottom	3.5	1	28.7													

Date	Tide	Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Water Level	Sampling depth (m)	Replicate	Water Temperature (°C)	pH	Salinity (ppt)	Dissolved Oxygen (DO) (mg/L)	DO Saturation (%)	Turbidity (NTU)	Suspended Solids (SS) (mg/L)	Depth-averaged		
																	DO (mg/L)	Turbidity (NTU)	SS (mg/L)
2023-05-31	Mid-Ebb	TCE-C1	Misty	Calm	12:25	9.6	Surface	1.0	1	29.2	8.2	19.7	7.8	113.9	1.1	2.4	6.4	2.3	1.8
									2	29.2	8.2	19.7	7.8	114.0	1.0	2.1			
							Middle	4.8	1	26.4	8.2	29.2	5.0	73.1	2.4	1.9			
							Bottom	8.6	1	26.4	8.2	29.2	5.0	73.2	2.4	1.7			
				2	26.4	8.2	29.3	5.4	79.2	3.5	1.2								
				2	26.4	8.2	29.3	5.5	79.8	3.6	1.2								
		TCE-C2	Misty	Calm	10:47	13.8	Surface	1.0	1	29.0	8.6	20.1	8.0	116.4	1.4	2.6	6.9	3.2	1.9
				2	28.9	8.6	20.1	7.9	115.0	1.5	2.4								
		Middle	6.9	1	26.3	8.6	27.9	5.8	83.9	3.3	1.8								
		Bottom	12.8	1	26.3	8.6	27.9	5.8	83.8	3.4	1.7								
				2	26.1	8.6	29.6	5.6	81.6	4.9	1.3								
				2	26.1	8.6	29.6	5.6	81.7	4.8	1.5								
	TCE-WQM1	Misty	Calm	12:02	7.8	Surface	1.0	1	30.2	8.3	18.5	8.7	127.2	2.1	2.2	7.0	3.1	1.9	
			2	30.2	8.3	18.5	8.7	127.2	2.1	2.4									
	Middle	3.9	1	27.2	8.1	26.5	5.4	78.7	3.4	1.8									
	Bottom	6.8	1	27.2	8.1	26.5	5.4	78.4	3.3	1.9									
			2	27.1	8.1	26.7	5.9	85.3	3.9	1.5									
			2	27.1	8.1	26.7	6.0	87.5	3.7	1.4									
	TCE-WQM2a	Misty	Calm	11:31	6.8	Surface	1.0	1	29.0	8.2	21.7	7.8	115.1	1.3	1.9	7.5	2.2	1.6	
			2	29.0	8.2	21.7	7.8	115.1	1.3	1.7									
	Middle	3.4	1	27.7	8.2	24.0	7.2	103.9	2.1	1.4									
	Bottom	5.8	1	27.6	8.2	24.1	7.1	103.5	2.1	1.6									
			2	27.3	8.2	26.3	6.7	97.7	3.1	1.4									
			2	27.3	8.2	26.8	6.7	98.1	3.1	1.3									
TCE-WQM2b	Misty	Calm	11:19	11.6	Surface	1.0	1	30.2	8.4	16.7	8.4	122.9	1.1	1.9	7.7	2.1	1.5		
		2	30.2	8.4	16.8	8.4	122.7	1.1	1.6										
Middle	5.8	1	27.7	8.2	22.3	6.9	99.8	2.1	1.4										
Bottom	10.6	1	27.6	8.2	22.4	6.9	99.1	2.1	1.6										
		2	27.5	8.2	24.9	6.2	90.7	3.1	1.4										
		2	27.5	8.2	24.9	6.3	91.9	3.1	1.3										
TCE-WQM3A	Misty	Calm	11:41	4.4	Surface	1.0	1	29.6	8.2	20.2	7.7	115.0	2.0	1.7	7.7	2.8	1.9		
		2	29.6	8.2	20.2	7.7	114.6	2.1	1.4										
Bottom	3.4	1	27.4	8.0	25.9	5.9	87.3	3.5	2.4										
		2	27.4	8.0	25.9	5.9	87.8	3.6	2.2										
TCE-WQM4	Misty	Calm	11:51	4.2	Surface	1.0	1	29.9	8.3	18.9	9.2	134.2	1.1	2.4	9.1	2.2	2.4		
		2	29.9	8.3	18.8	9.0	134.0	1.1	2.7										
Bottom	3.2	1	27.7	8.1	24.6	6.4	94.7	3.2	2.2										
		2	27.8	8.1	24.3	6.5	96.1	3.4	2.1										
		2	27.8	8.1	24.6	6.4	94.7	3.2	2.2										
		2	27.8	8.1	24.3	6.5	96.1	3.4	2.1										
2023-05-31	Mid-Flood	TCE-C1	Misty	Calm	15:05	9.2	Surface	1.0	1	28.9	8.2	20.5	7.2	105.2	1.1	1.2	6.1	1.5	1.4
									2	28.9	8.2	20.5	7.2	105.0	1.1	1.1			
							Middle	4.6	1	26.3	8.0	29.4	5.1	73.9	1.2	1.4			
							Bottom	8.2	1	26.3	8.0	29.4	5.1	74.0	1.1	1.3			
				2	26.3	8.0	29.4	5.6	81.2	2.5	1.7								
				2	26.3	8.0	29.4	5.6	81.9	2.3	1.5								
		TCE-C2	Misty	Calm	16:49	13.2	Surface	1.0	1	29.2	8.4	20.0	8.5	125.1	1.1	1.2	7.6	1.3	1.8
				2	29.3	8.4	20.0	8.5	125.2	1.1	1.2								
		Middle	6.6	1	27.2	8.3	24.6	6.8	98.9	1.2	1.9								
		Bottom	12.2	1	27.2	8.3	24.6	6.7	97.4	1.2	1.7								
				2	26.8	8.2	27.2	6.5	94.2	1.8	2.5								
				2	26.8	8.2	27.1	6.5	95.0	1.7	2.2								
		TCE-WQM1	Misty	Calm	15:43	7.6	Surface	1.0	1	30.3	8.5	18.6	8.5	126.9	1.1	1.6	6.9	2.4	2.2
				2	30.3	8.5	18.6	8.5	126.6	1.1	1.8								
		Middle	3.8	1	27.5	8.3	24.4	6.5	94.7	3.0	2.2								
		Bottom	6.6	1	27.4	8.2	24.5	6.3	91.8	3.0	2.3								
				2	27.1	8.2	26.9	5.4	79.0	3.2	2.5								
				2	27.1	8.2	26.9	5.5	79.6	3.1	2.7								
		TCE-WQM2a	Misty	Calm	16:12	7.2	Surface	1.0	1	29.8	8.2	20.3	8.4	125.7	1.1	1.4	7.7	1.7	1.6
				2	29.8	8.2	20.3	8.4	125.7	1.1	1.4								
		Middle	3.6	1	28.0	8.1	23.8	7.0	101.6	1.6	1.5								
		Bottom	6.2	1	28.0	8.1	23.9	7.0	101.4	1.5	1.6								
				2	27.8	8.1	24.2	6.8	100.3	2.3	1.8								
				2	27.9	8.1	25.4	6.9	101.9	2.3	1.9								
TCE-WQM2b	Misty	Calm	16:26	7.2	Surface	1.0	1	29.1	8.3	21.3	7.6	110.8	3.0	1.9	7.2	5.0	2.2		
		2	29.2	8.3	21.3	7.6	111.9	3.1	1.6										
Middle	3.6	1	27.5	8.2	23.2	6.8	97.7	5.3	2.3										
Bottom	6.2	1	27.4	8.2	23.3	6.7	96.8	5.3	2.1										
		2	26.6	8.2	27.9	6.3	92.2	6.6	2.8										
		2	26.6	8.2	27.9	6.4	93.6	6.6	2.5										
TCE-WQM3A	Misty	Calm	16:03	4.6	Surface	1.0	1	30.0	8.2	20.1	8.0	119.4	1.1	1.6	8.0	1.4	1.9		
		2	29.9	8.2	20.1	8.1	119.1	1.1	1.3										
Bottom	3.6	1	27.8	8.0	25.6	6.2	91.6	1.7	2.1										
		2	28.0	8.0	25.5	6.5	95.1	1.6	2.4										
TCE-WQM4	Misty	Calm	15:53	3.6	Surface	1.0	1	30.3	8.3	19.0	8.6	128.4	1.2	1.6	8.6	1.9	1.9		
		2	30.3	8.3	19.0	8.6	128.1	1.2	1.3										
Bottom	2.6	1	27.9	8.1	25.6	7.2	106.2	2.5	2.1										
		2	28.0	8.1	25.4	7.2	106.5	2.6	2.4										